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FIG. 1A

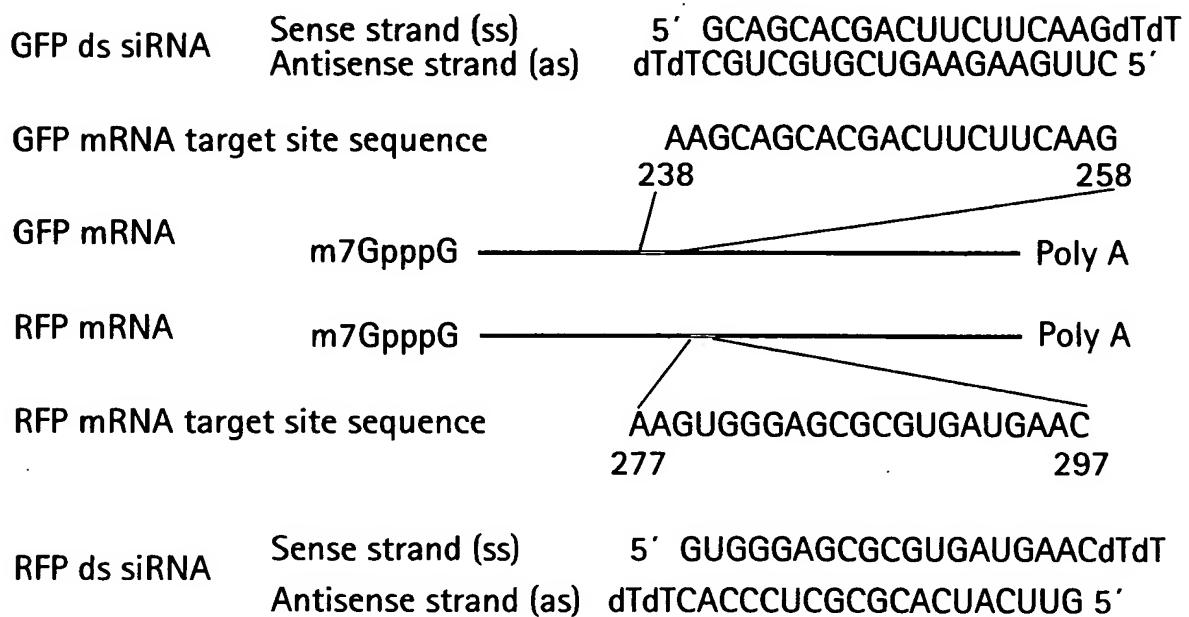
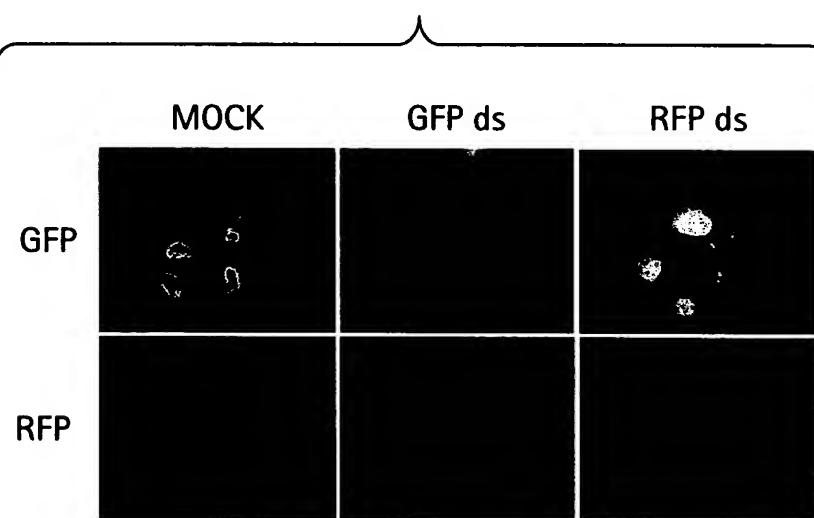


FIG. 1B



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FIG. 1C

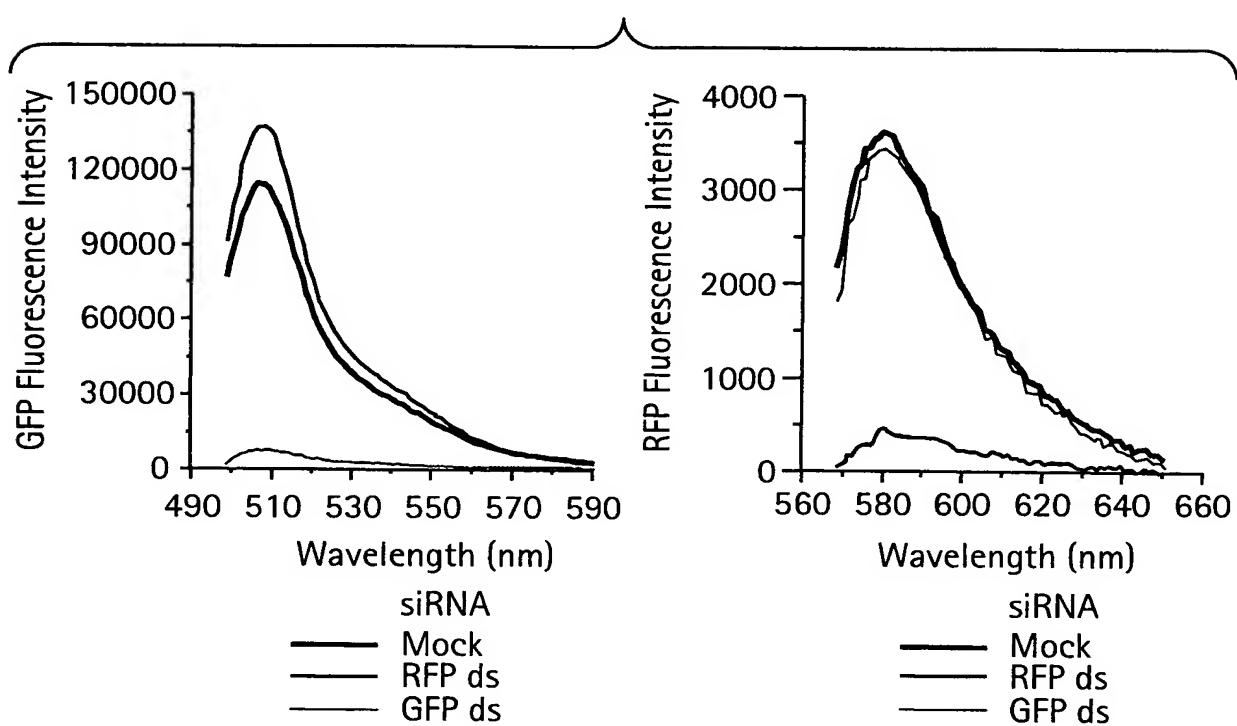
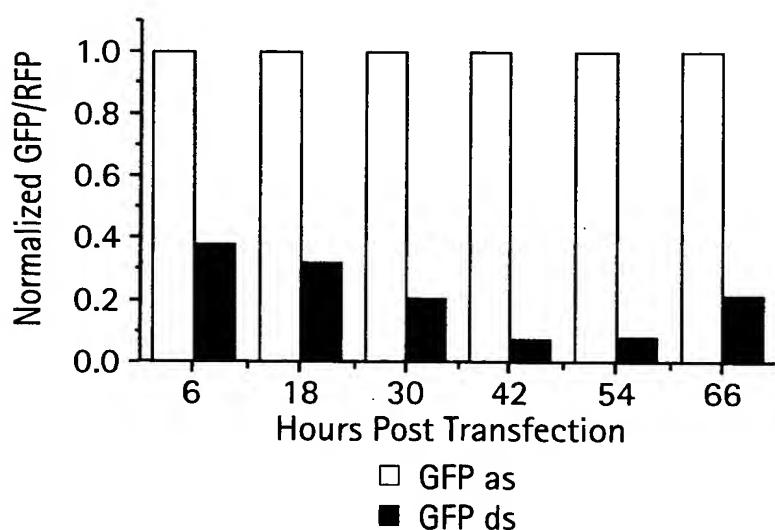


FIG. 1D



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FIG. 1E

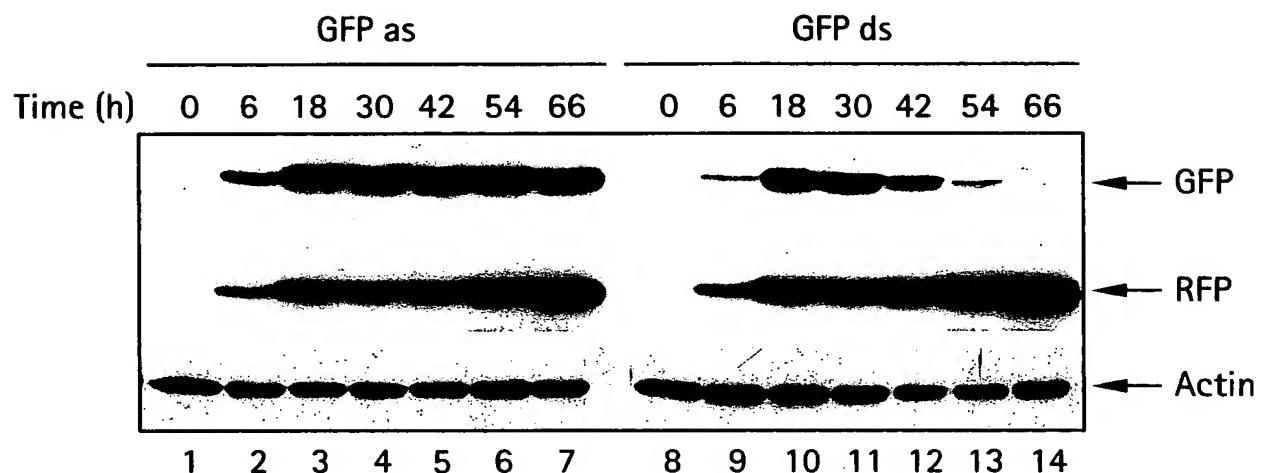
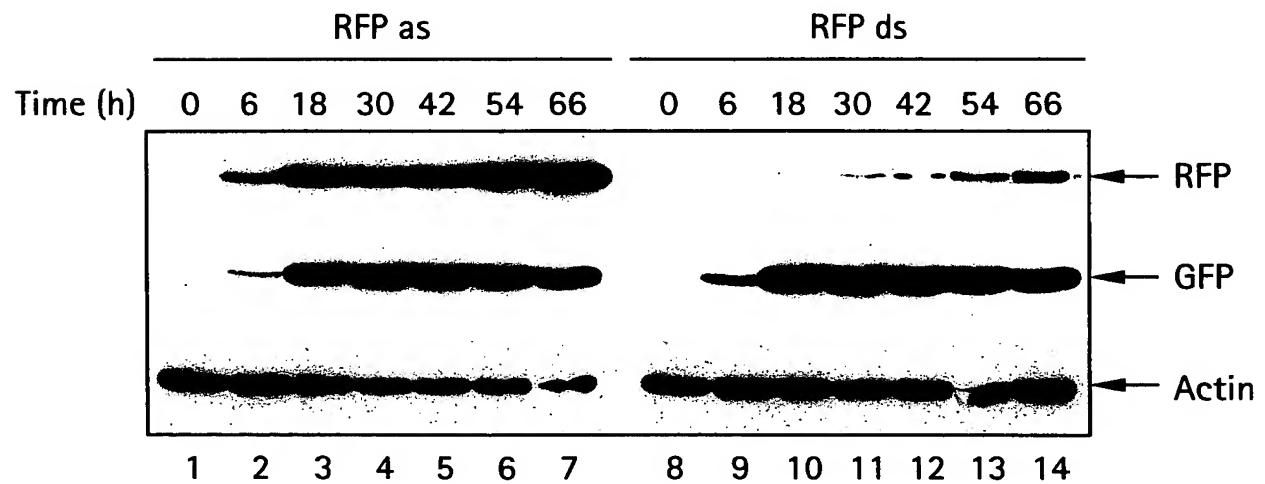


FIG. 1F



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FIG. 1G

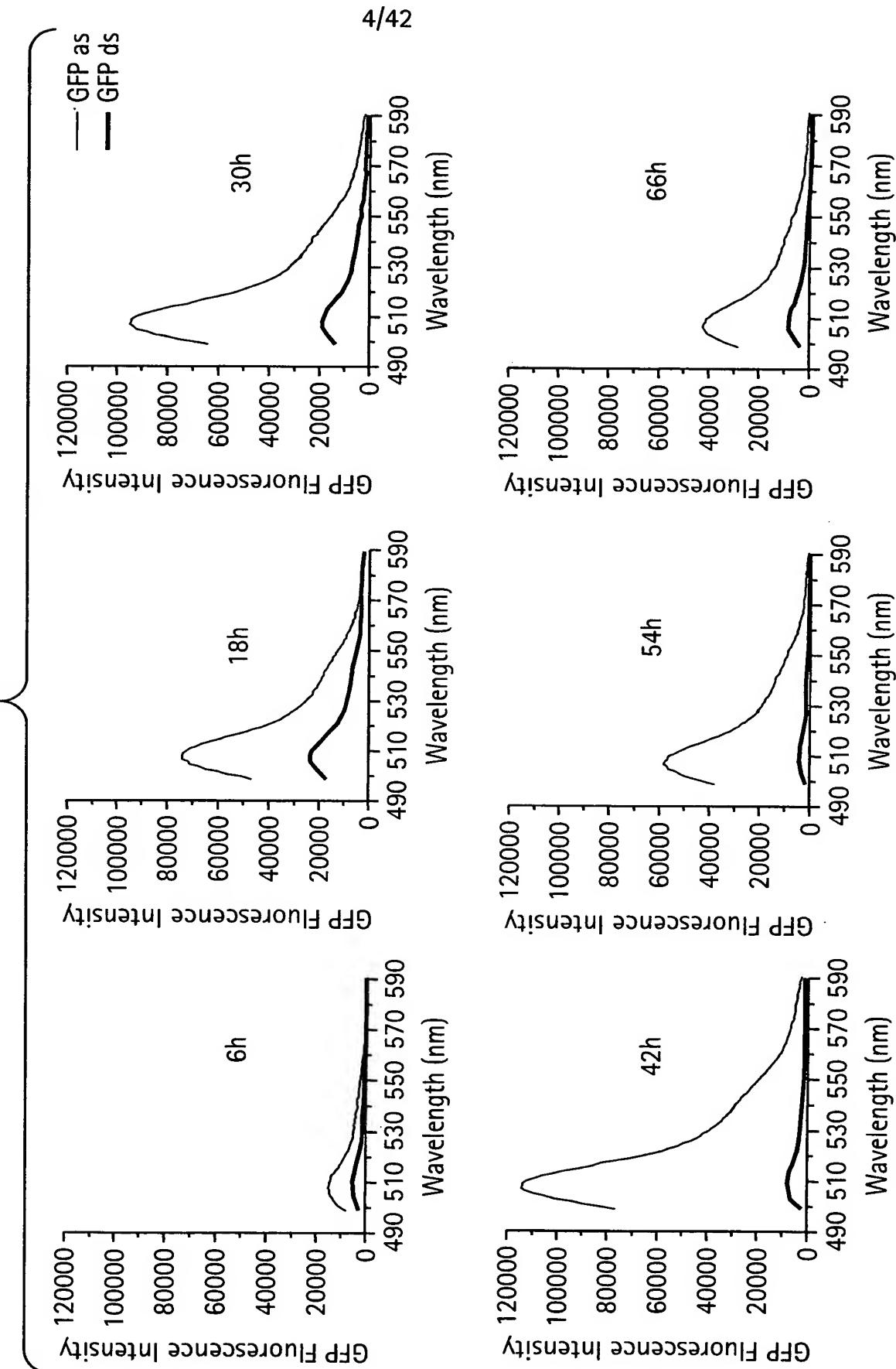
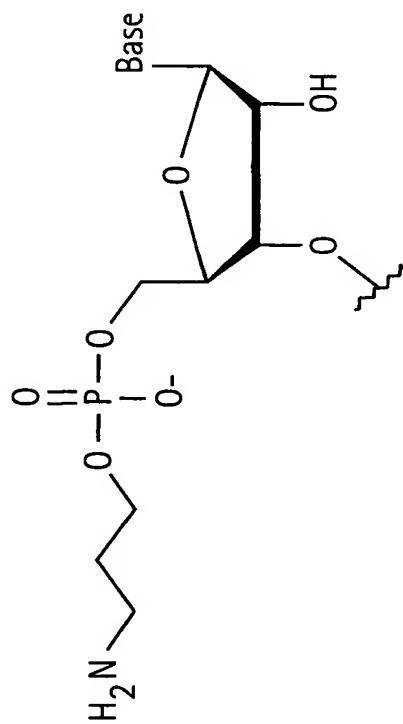
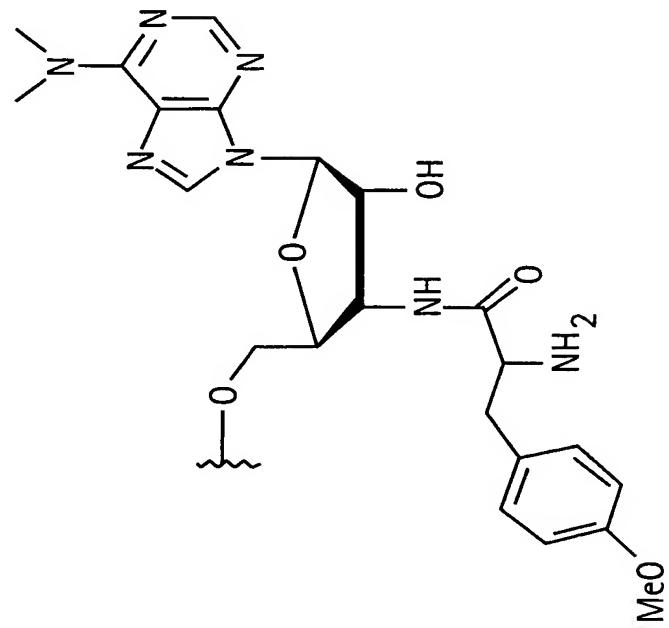


FIG. 2A

5' - Amino modification = N3



3' - Puromycin = Pm



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FIG. 2B

GFP siRNA

	ds (WT)	GCAGCACGACUUCUUCAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC
5' Modified siRNA	5'-N3ss/as	N3 - GCAGCACGACUUCUUCAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC
	ss/5'-N3as	GCAGCACGACUUCUUCAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC - N3
	5'-N3ss/5'-N3as	N3 - GCAGCACGACUUCUUCAAGdTdT dTdTTCGUCGUGCUGAAGAAGUUC - N3
	ss3'-Pmn/as	GCAGCACGACUUCUUCAAGdTdT - Pmn dTdTTCGUCGUGCUGAAGAAGUUC
3' Modified siRNA	ss/as3'-Pmn	GCAGCACGACUUCUUCAAGdTdT Pmn - dTdTTCGUCGUGCUGAAGAAGUUC
	ss3'-Pmn/as3'-Pmn	GCAGCACGACUUCUUCAAGdTdT - Pmn Pmn - dTdTTCGUCGUGCUGAAGAAGUUC
	ss/as3'-Biotin	GCAGCACGACUUCUUCAAGdTdT Biotin - dTdTTCGUCGUGCUGAAGAAGUUC
Bulge-containing siRNA	ss-bulge/as	GCAGCACGA UG dTdTTCGUCGUGC CUUCUUCAAGdTdT GAAGAAGUUC
	ss/as-bulge	GCAGCACGA UG dTdTTCGUCGUGC CUUCUUCAAGdTdT GAAGAAGUUC CA
	ss-bulge/as-bulge	GCAGCACGA UG dTdTTCGUCGUGC CUUCUUCAAGdTdT GAAGAAGUUC CA

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FIG. 3A

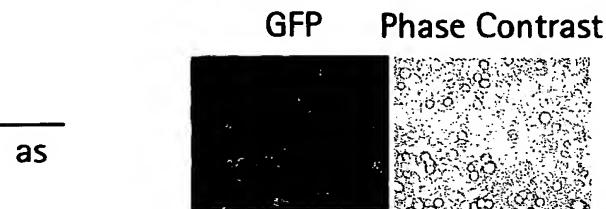


FIG. 3B



FIG. 3C

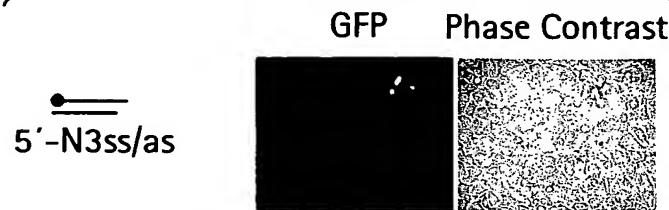


FIG. 3D



FIG. 3E

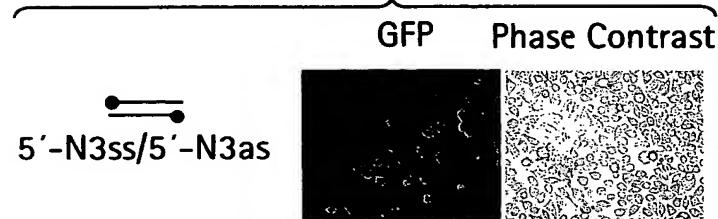


FIG. 3F

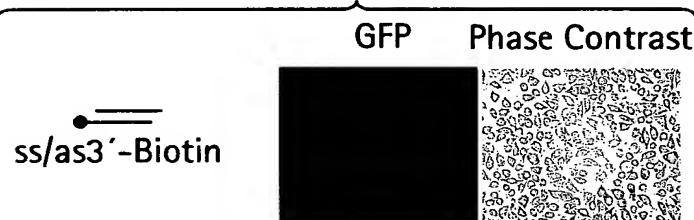


FIG. 3G

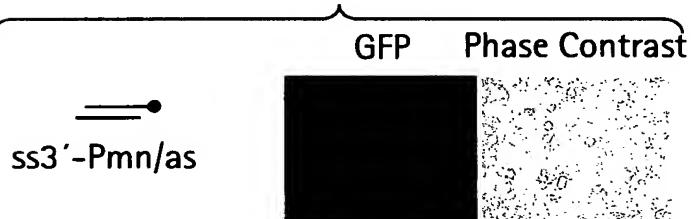
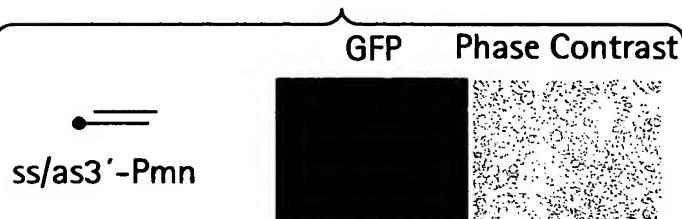


FIG. 3H



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FIG. 3I

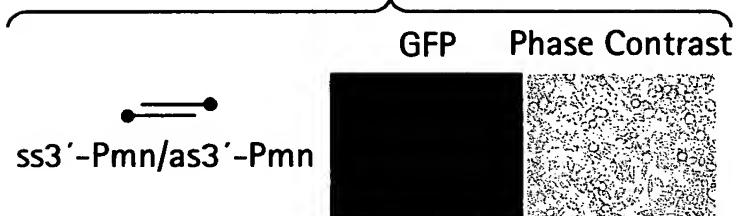


FIG. 3J

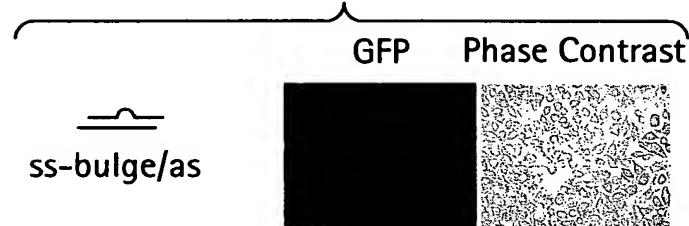


FIG. 3K

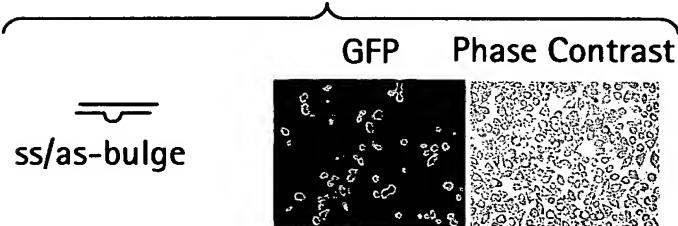
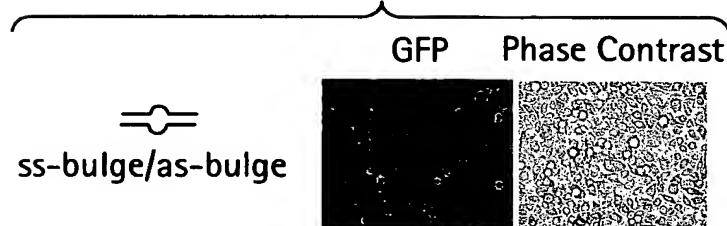
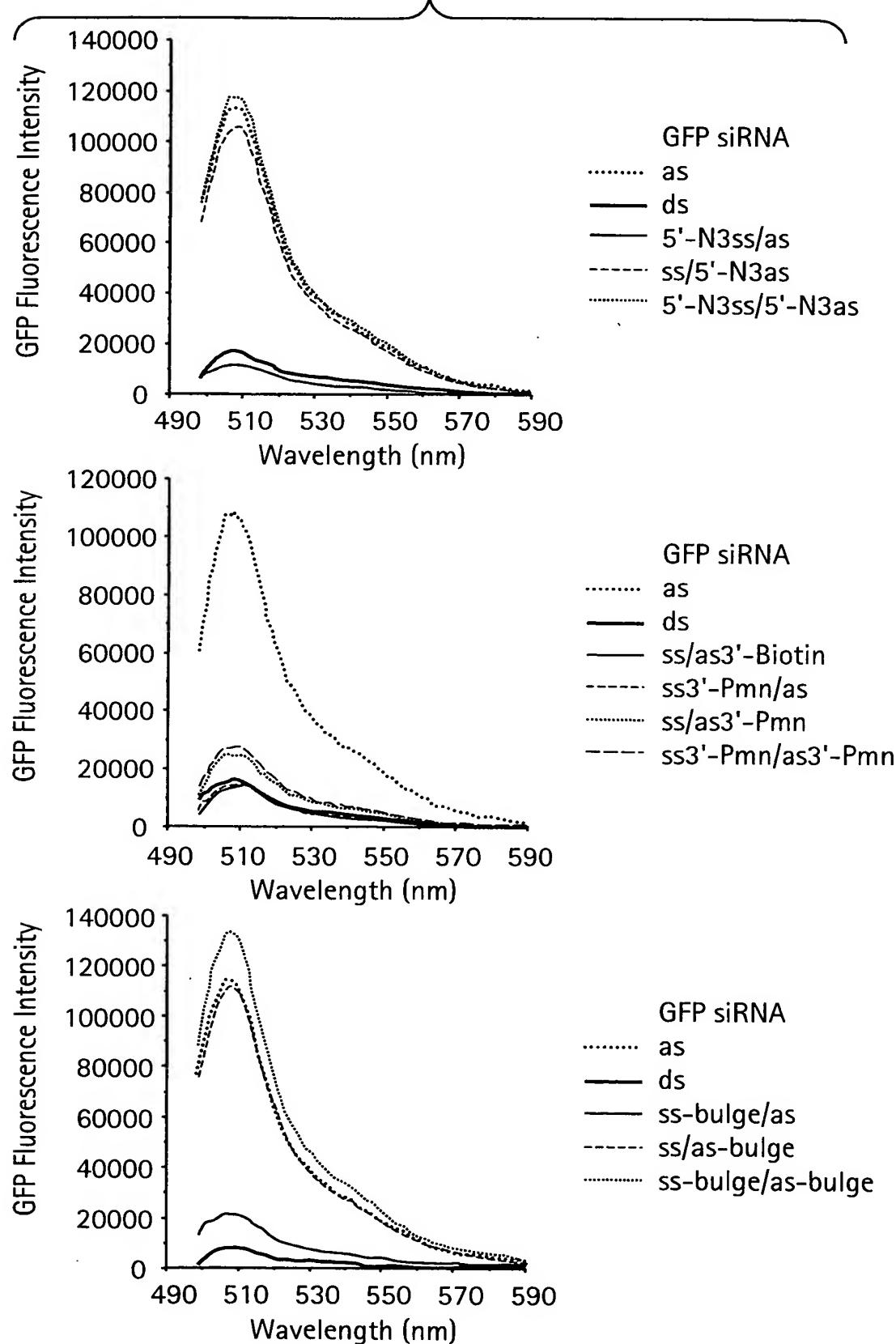


FIG. 3L



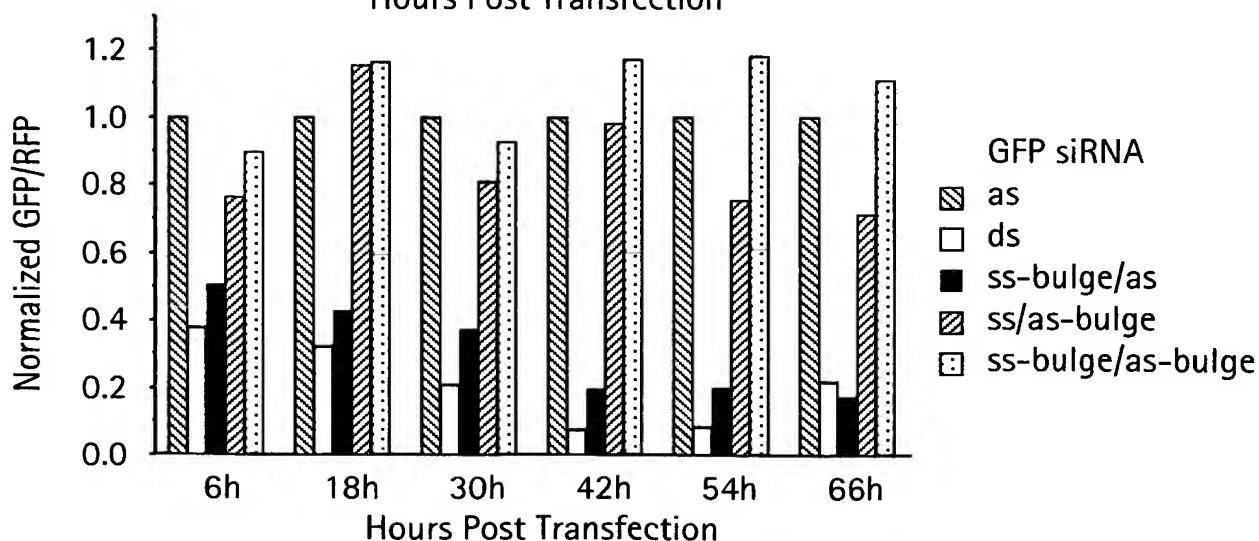
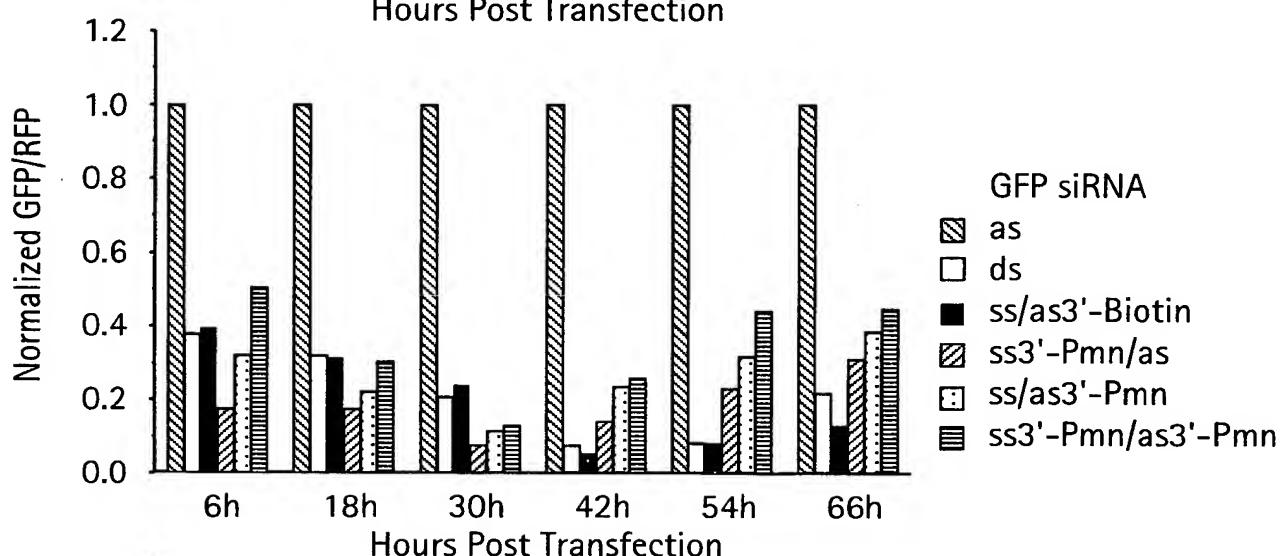
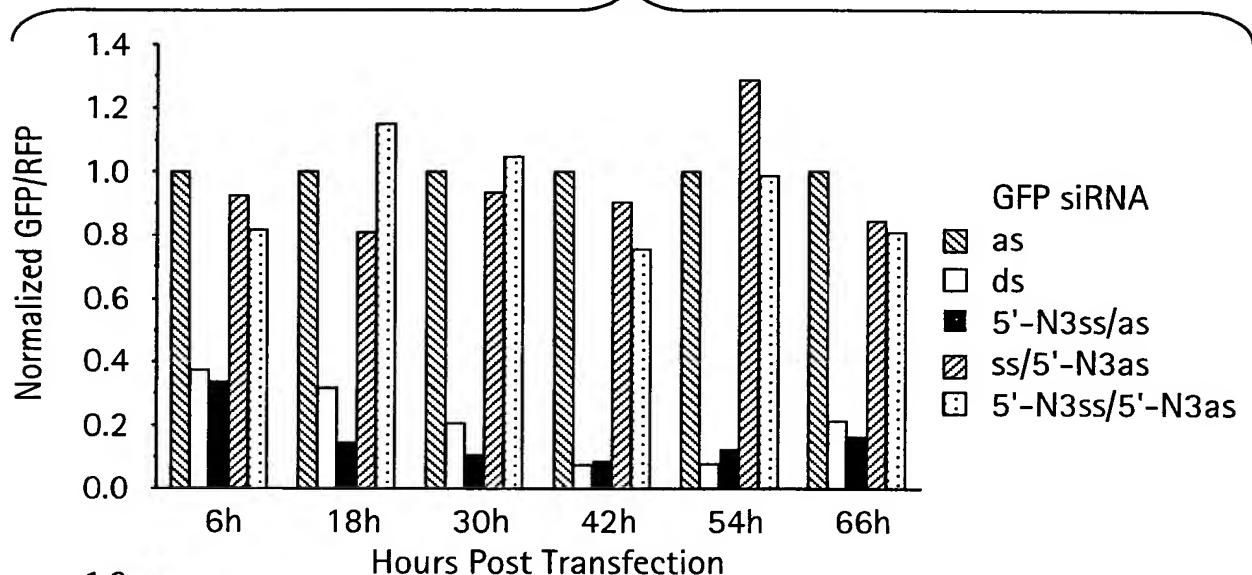
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FIG. 4A



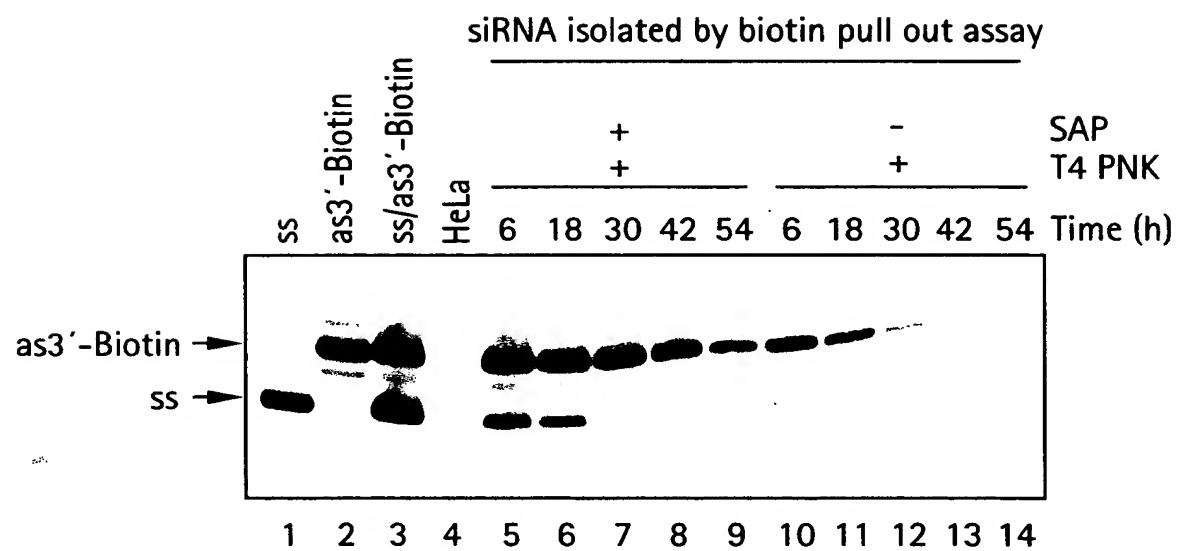
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FIG. 4B



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FIG. 5



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FIG. 6A
Psoralen (HMT)

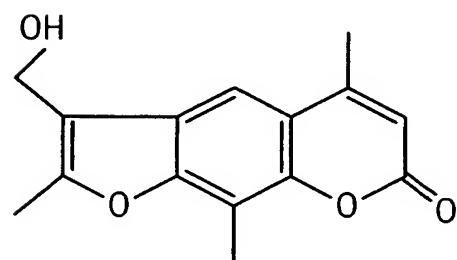
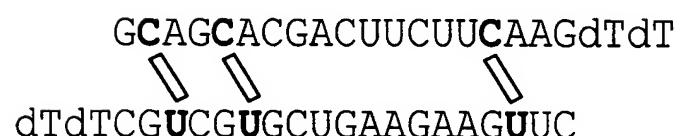


FIG. 6B
GFP ds siRNA



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FIG. 6C

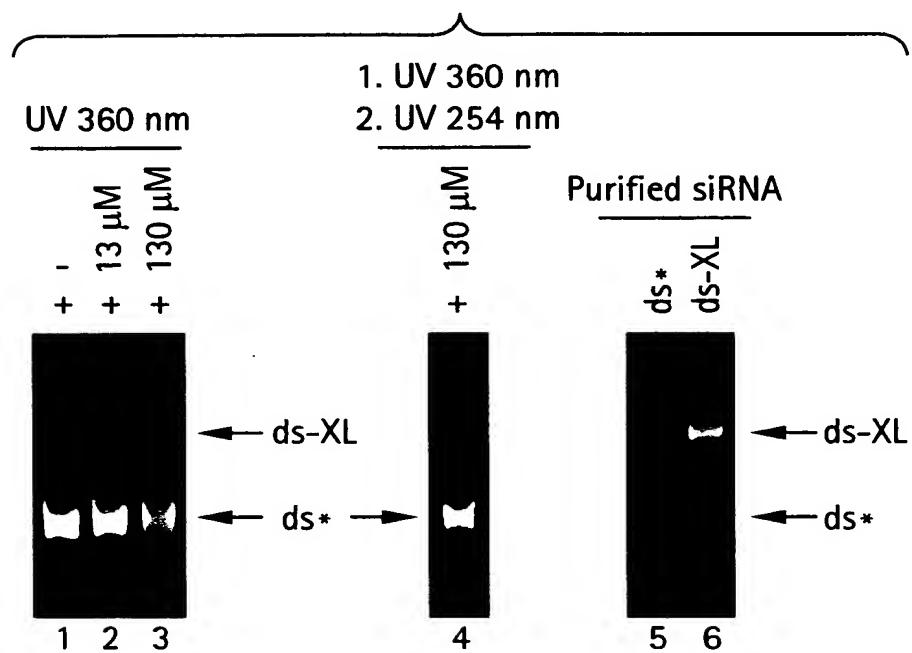
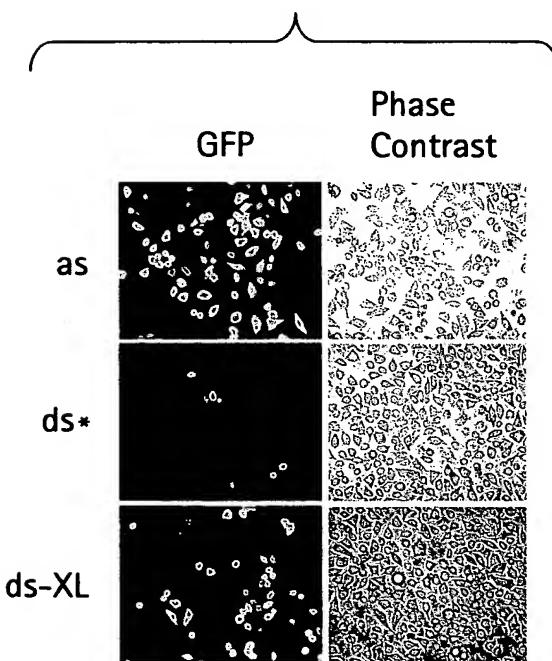
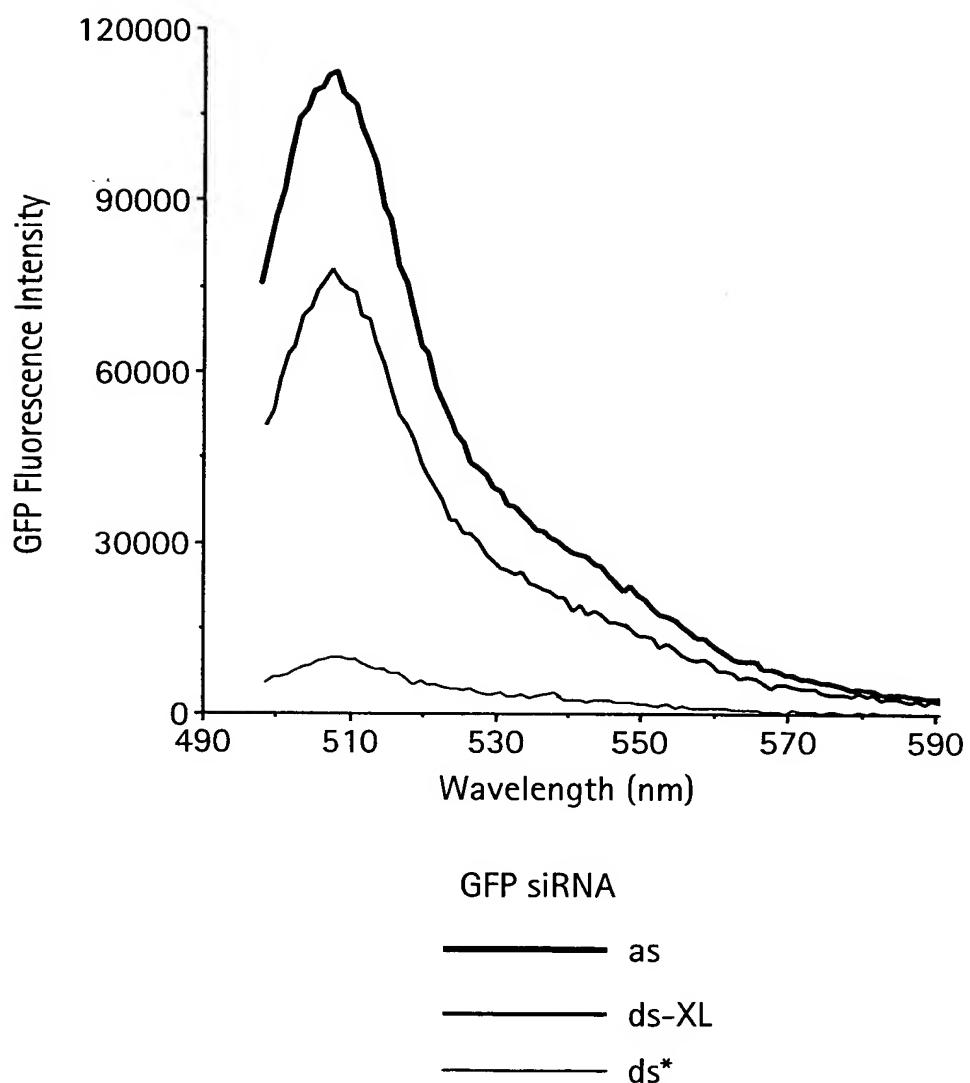


FIG. 6D



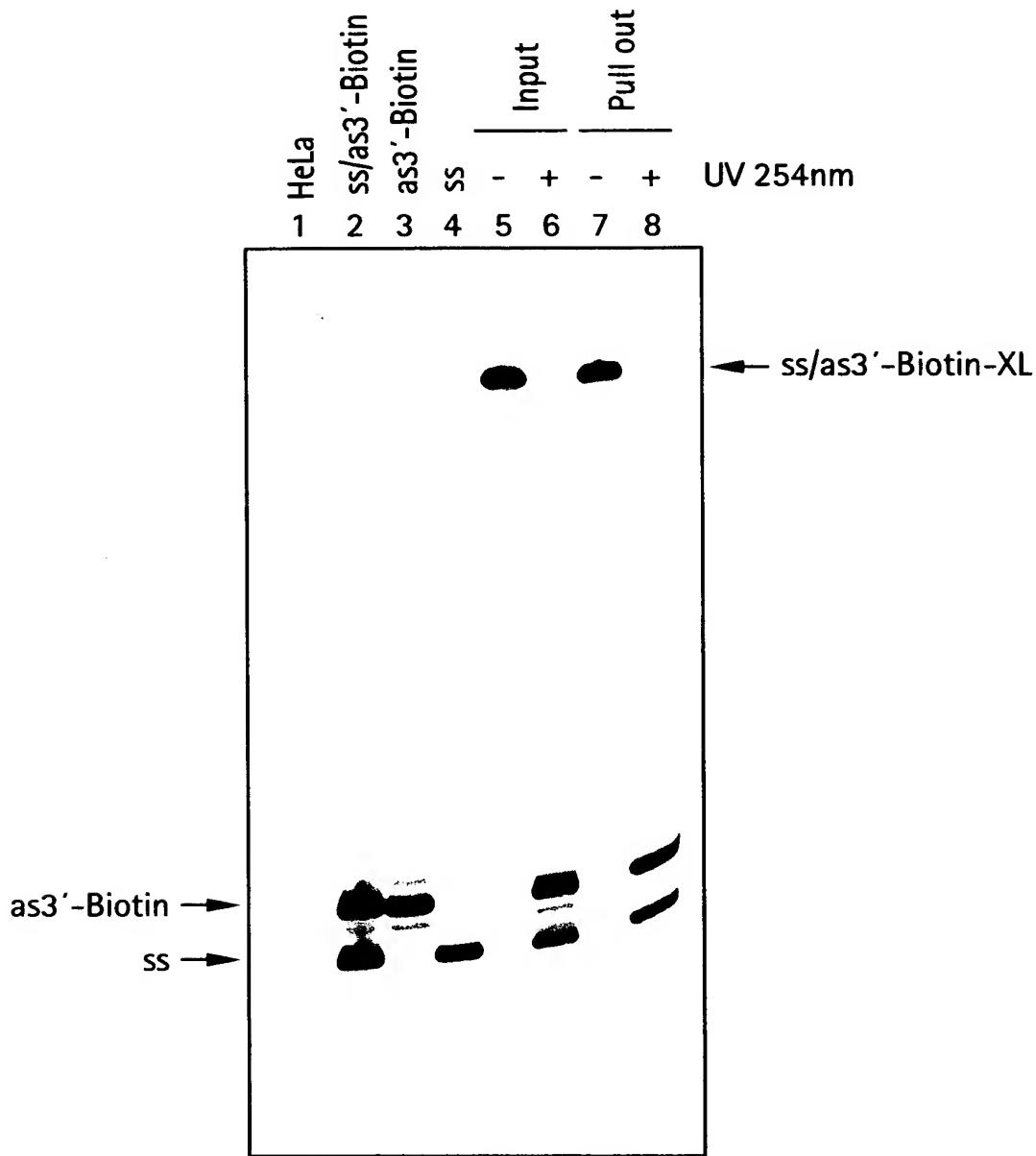
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FIG. 6E



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FIG. 7



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FIG. 8A

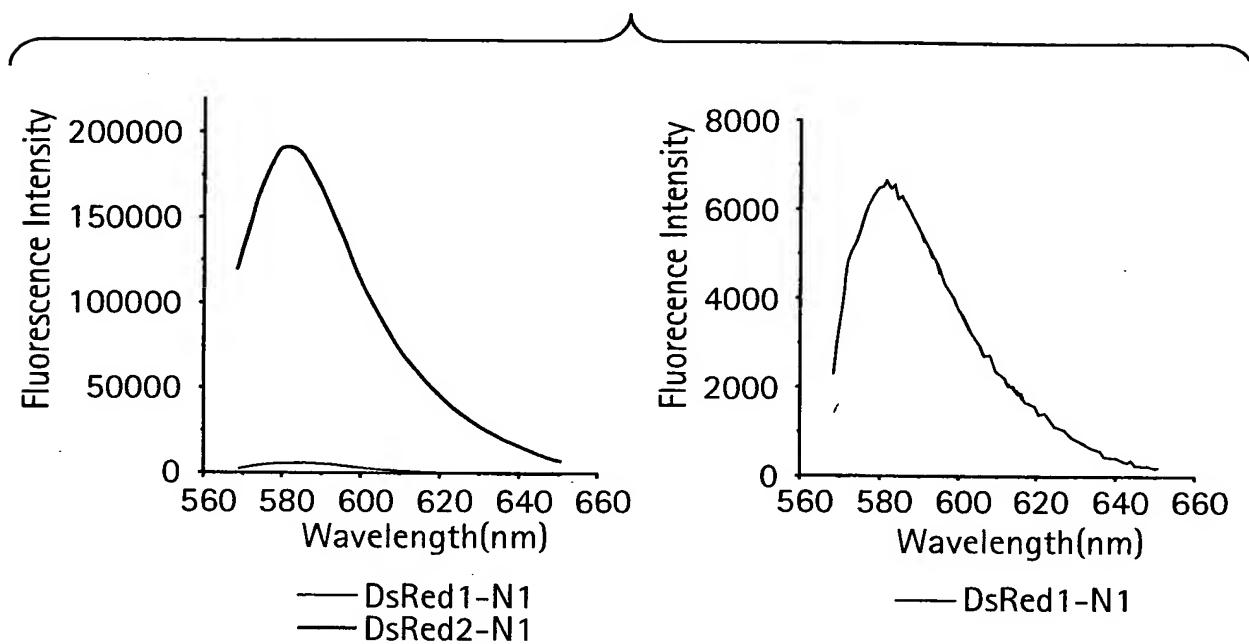


FIG. 8B

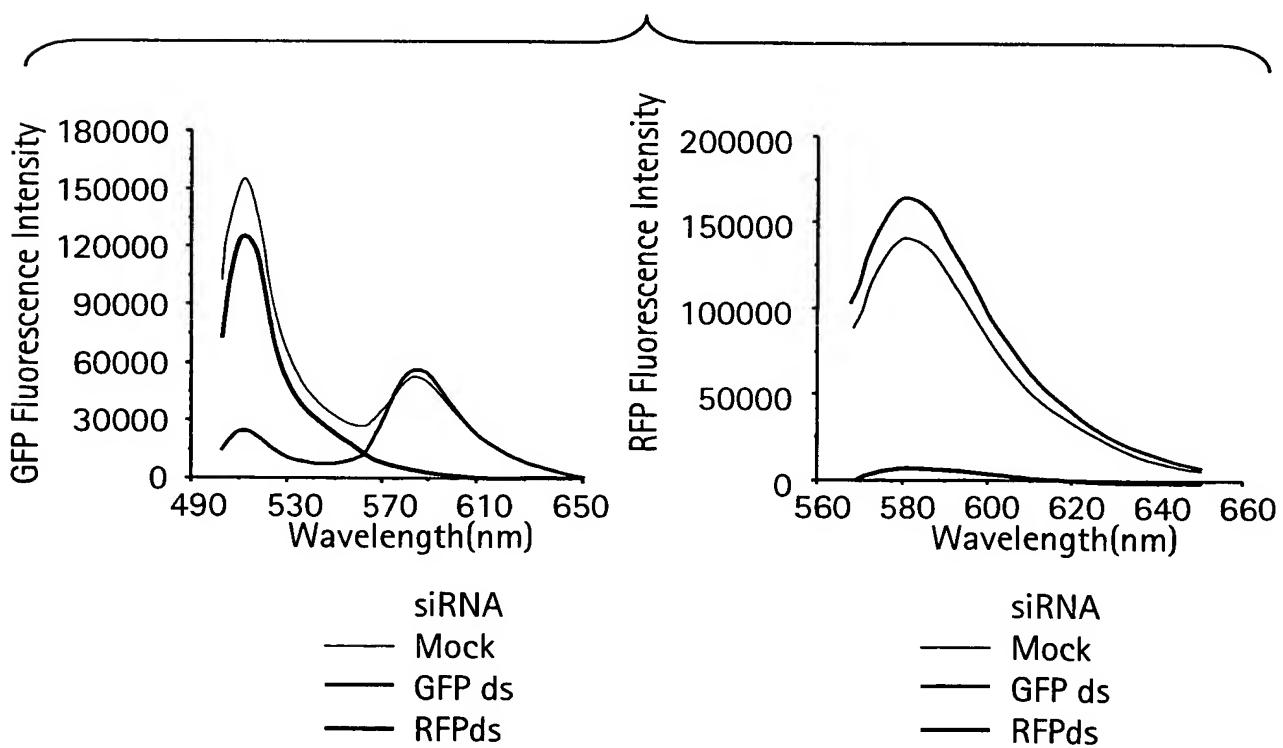


FIG. 9A

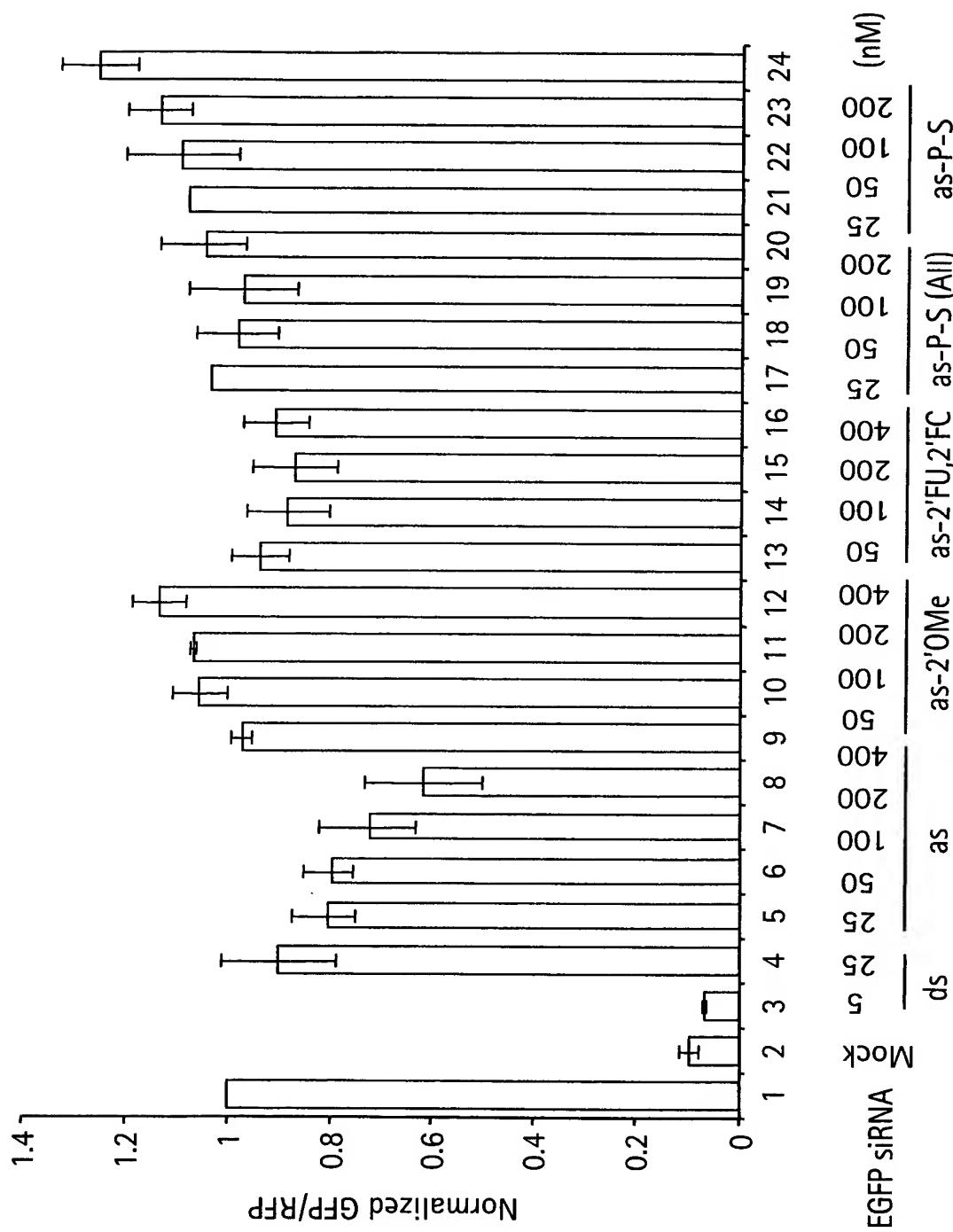
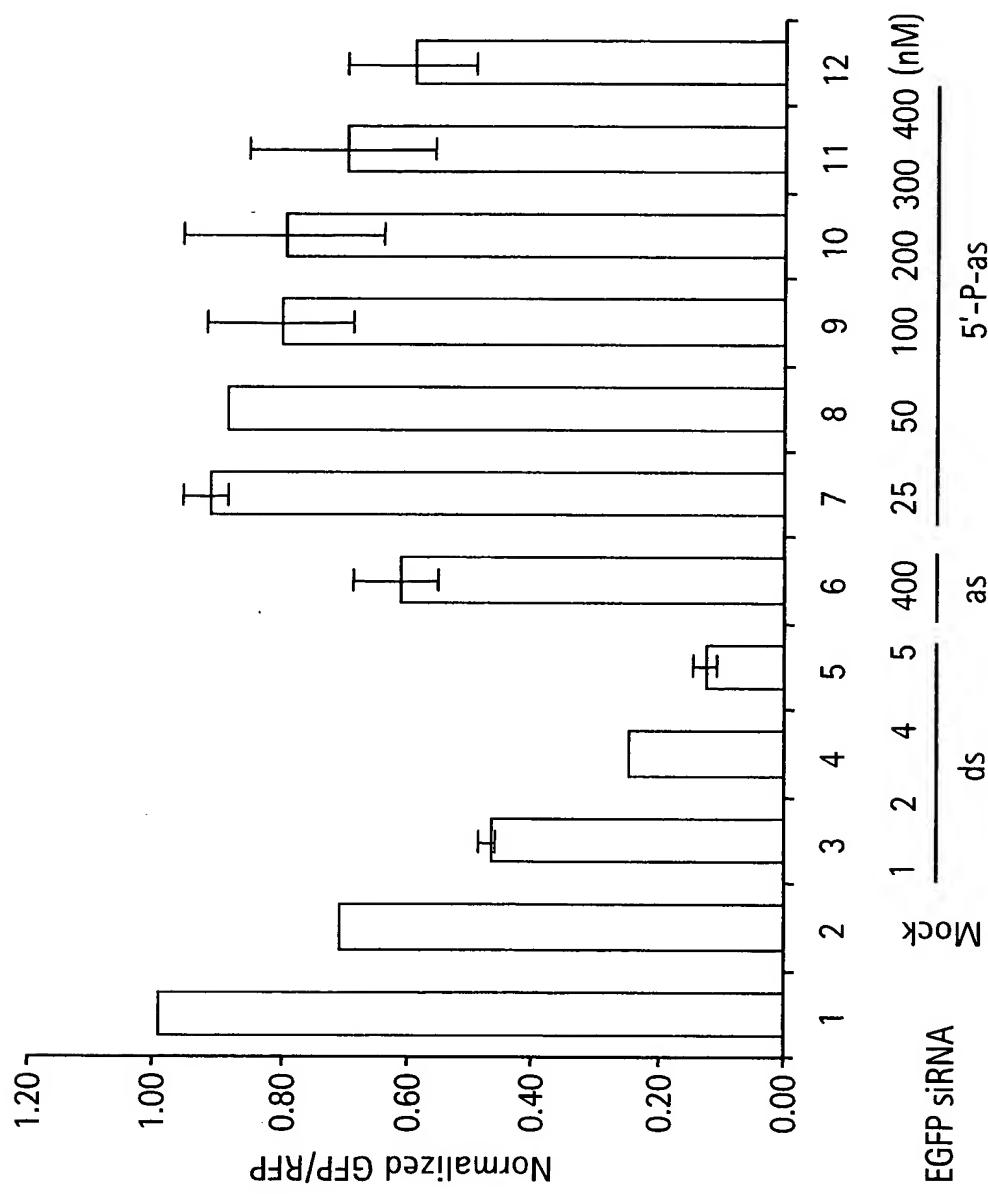
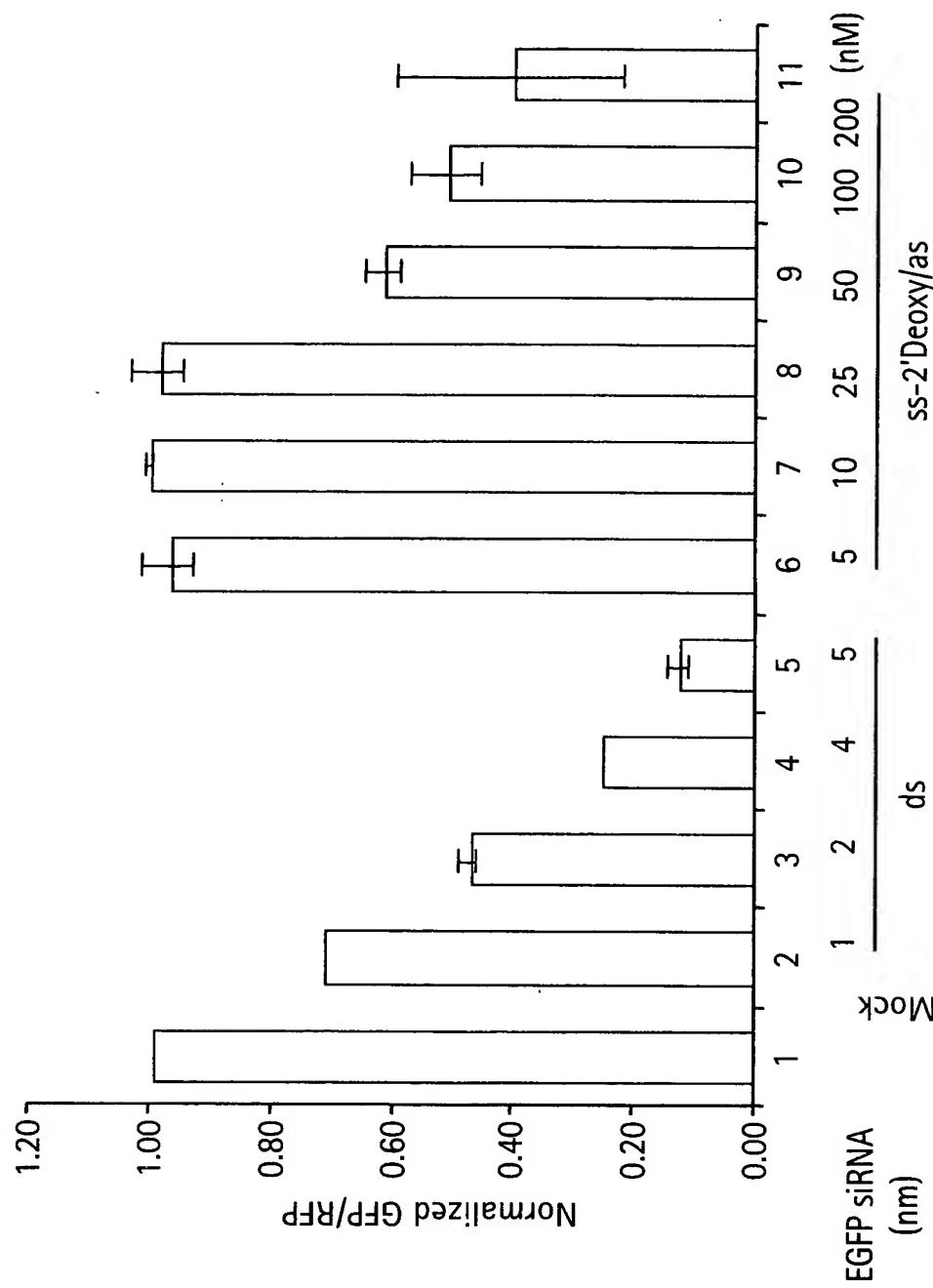


FIG. 9B



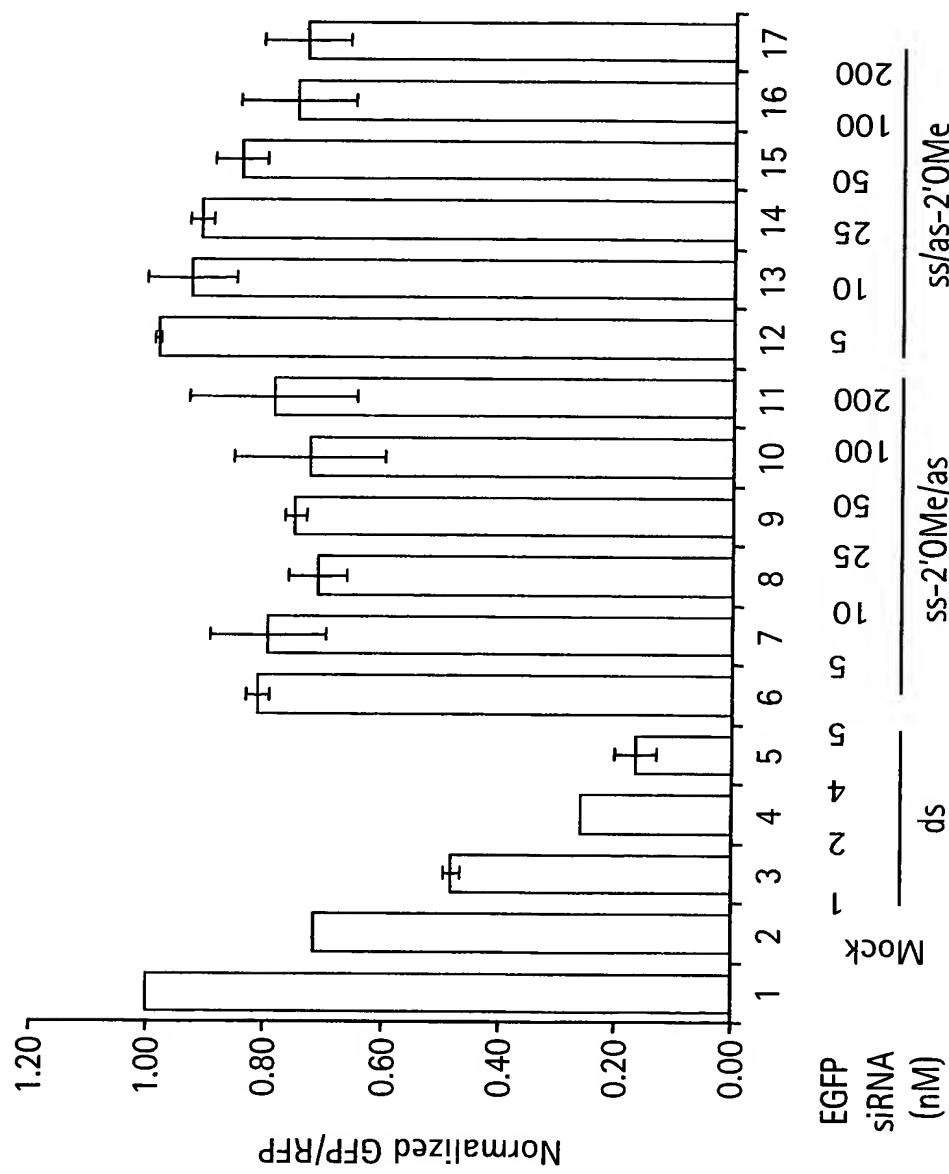
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FIG. 10A



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FIG. 10B



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FIG. 10C

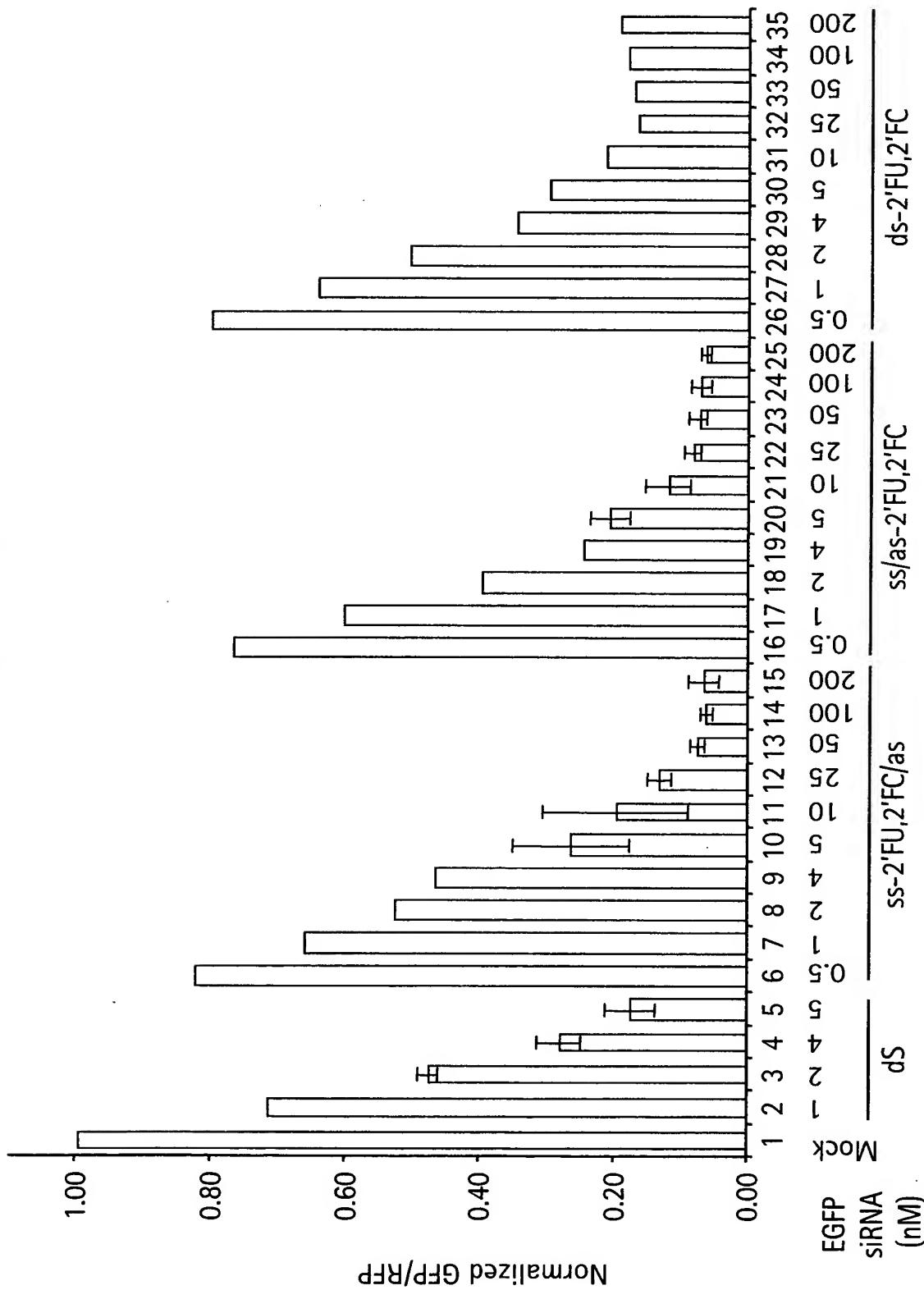
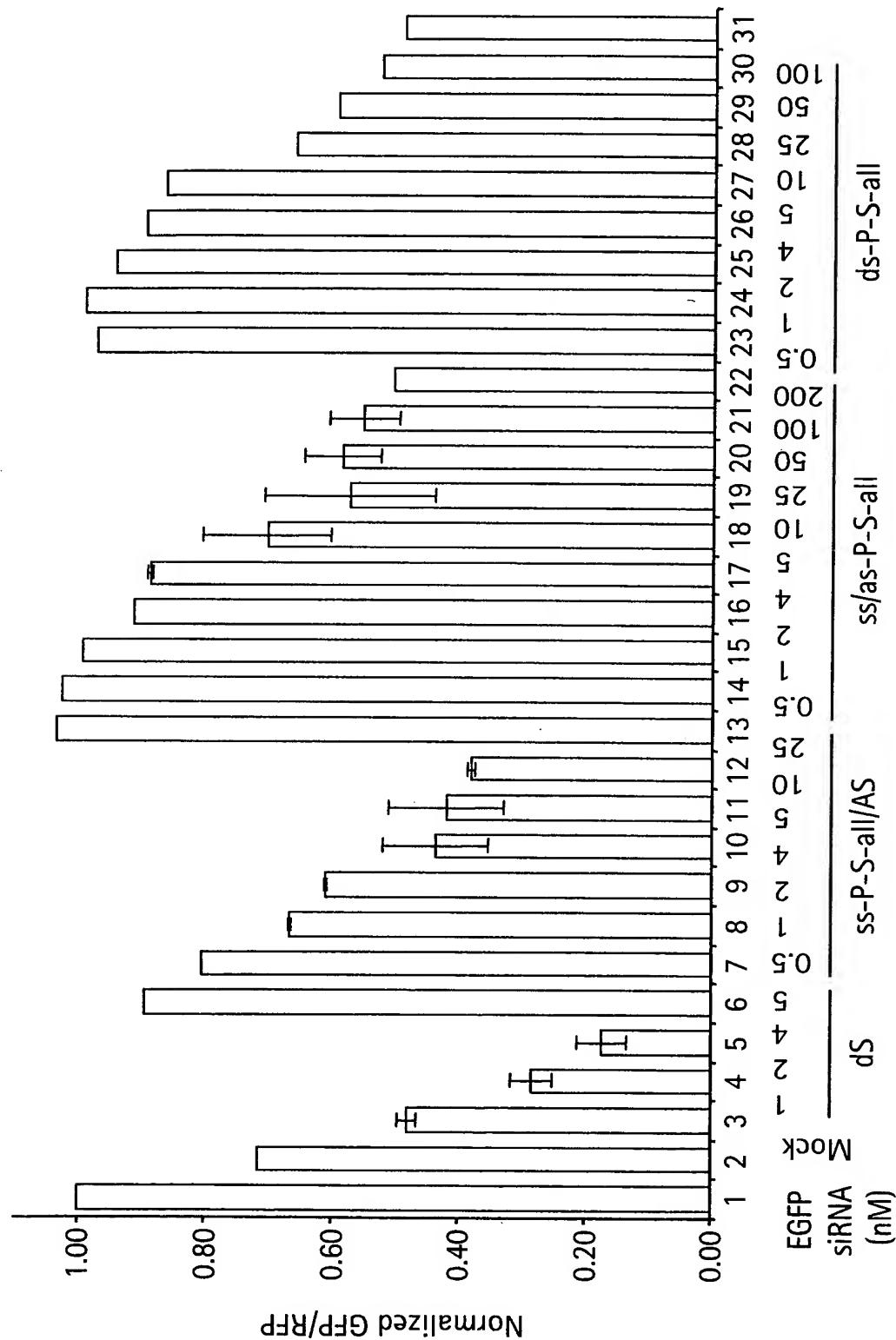
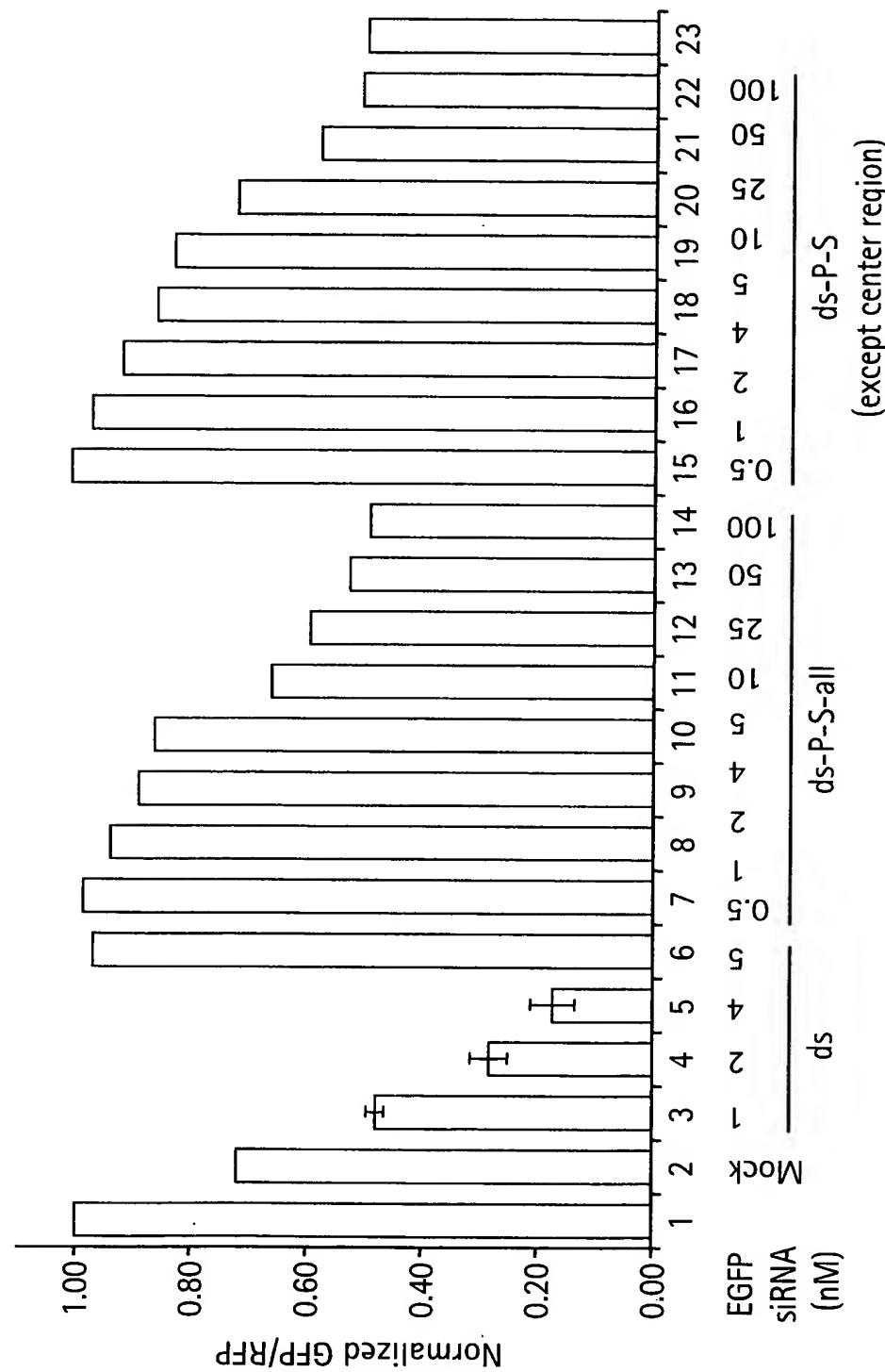


FIG. 10D



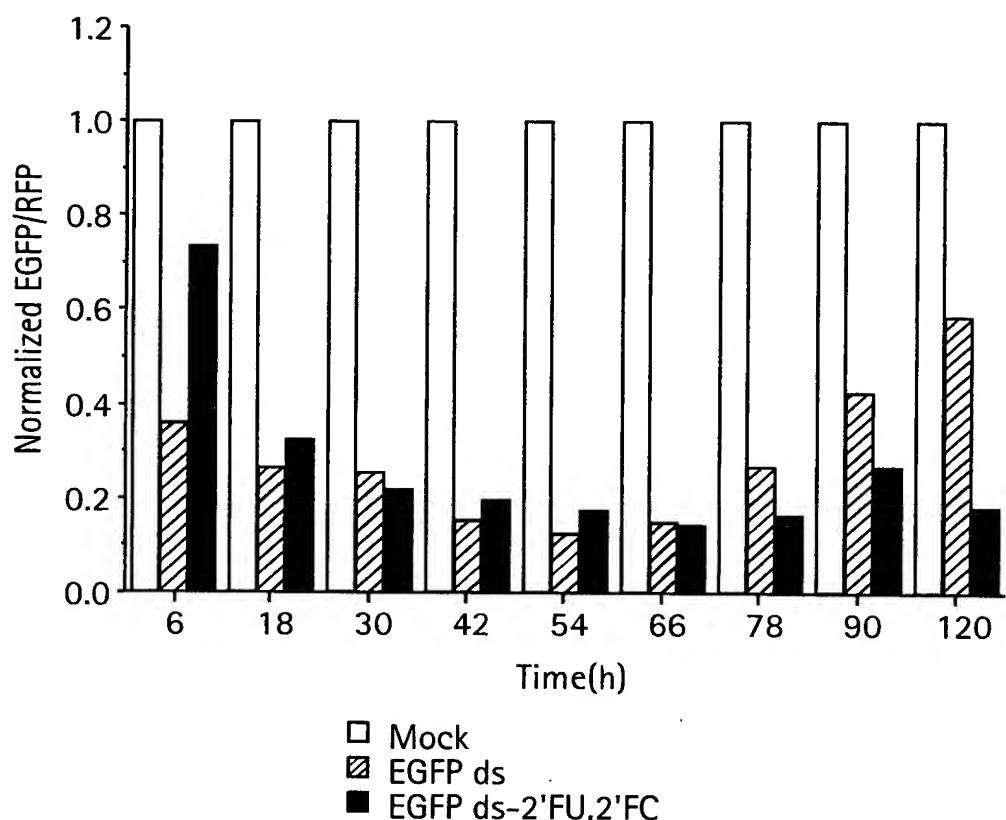
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FIG. 10E



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FIG. 11



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FIG. 12A

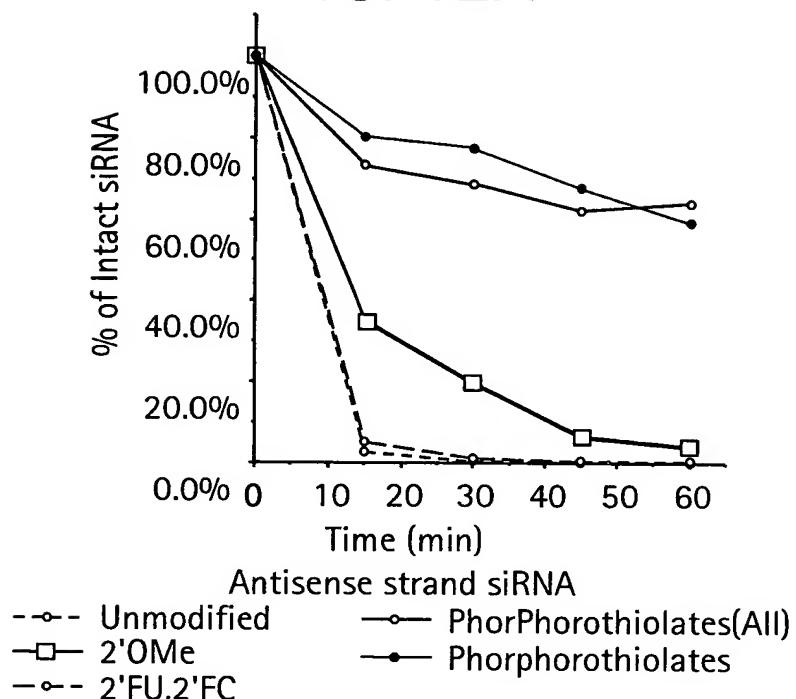
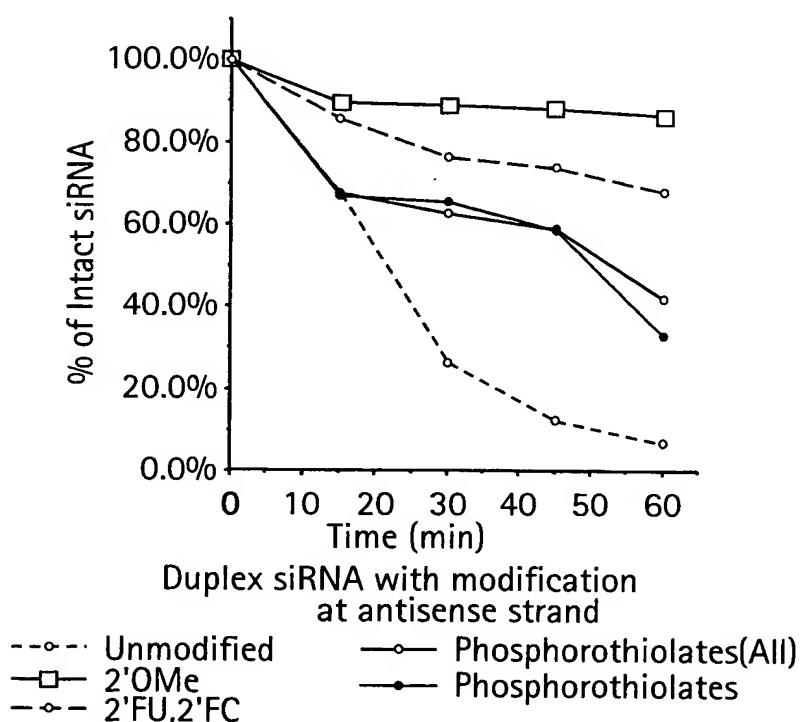


FIG. 12B



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FIG. 12C

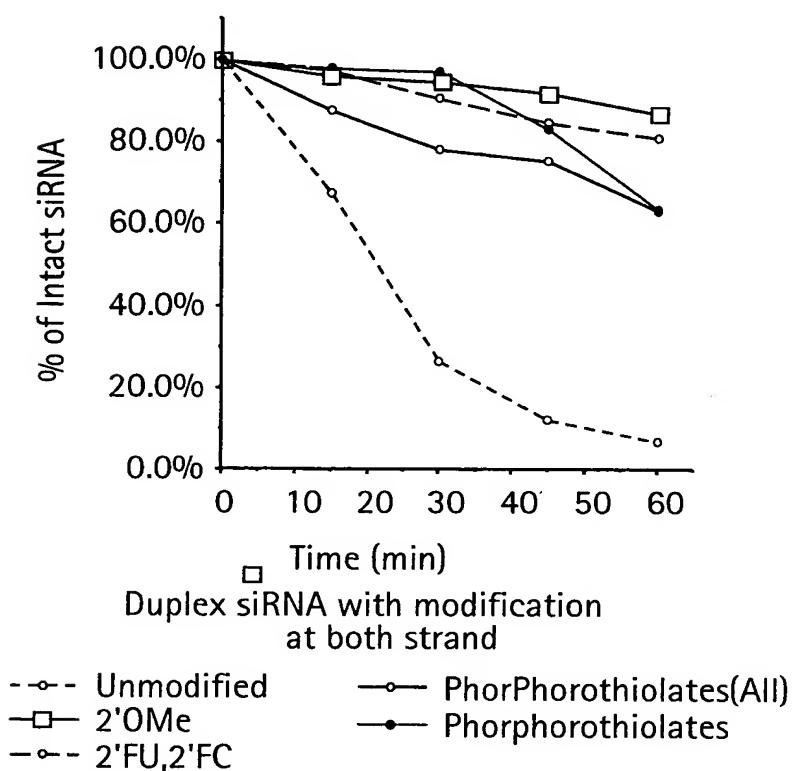
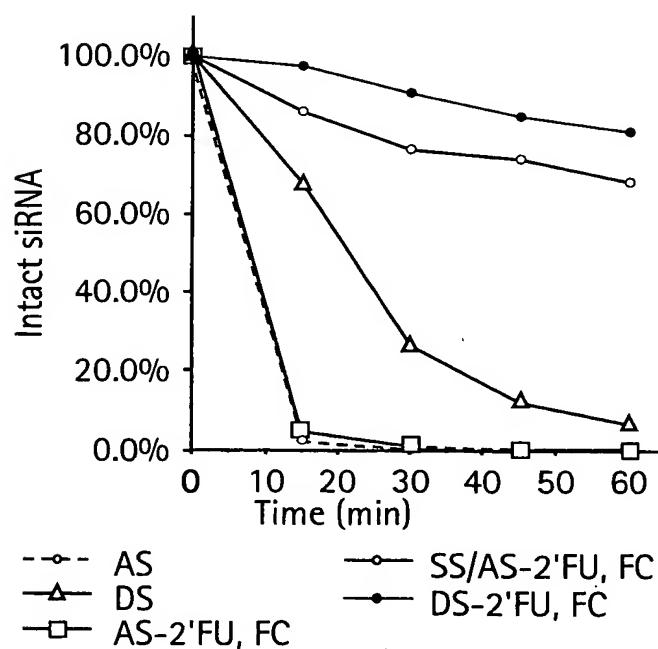
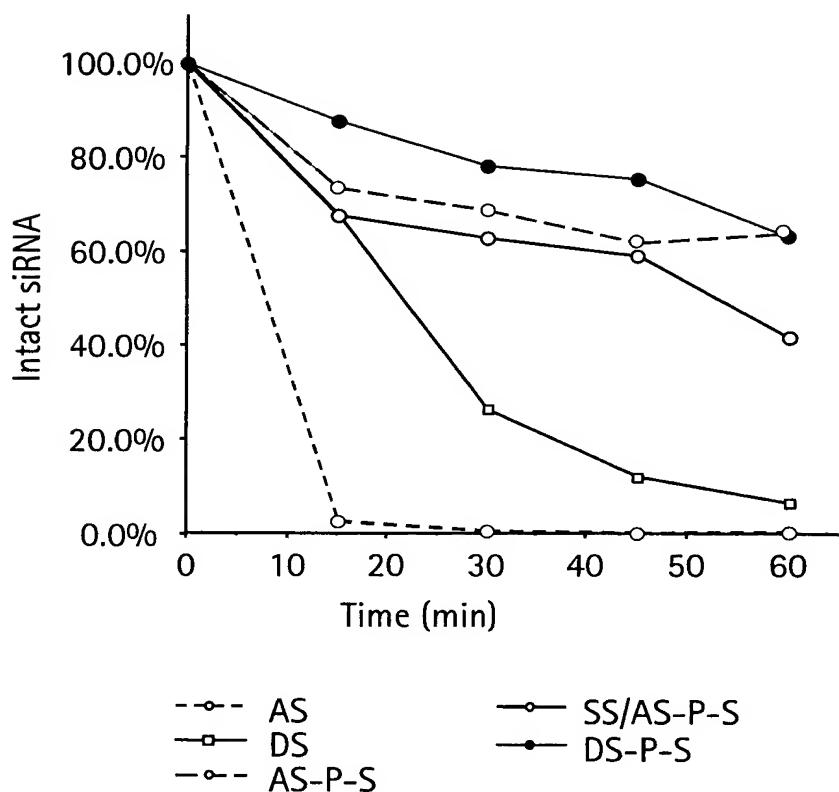


FIG. 12D



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FIG. 12E



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FIG. 13A

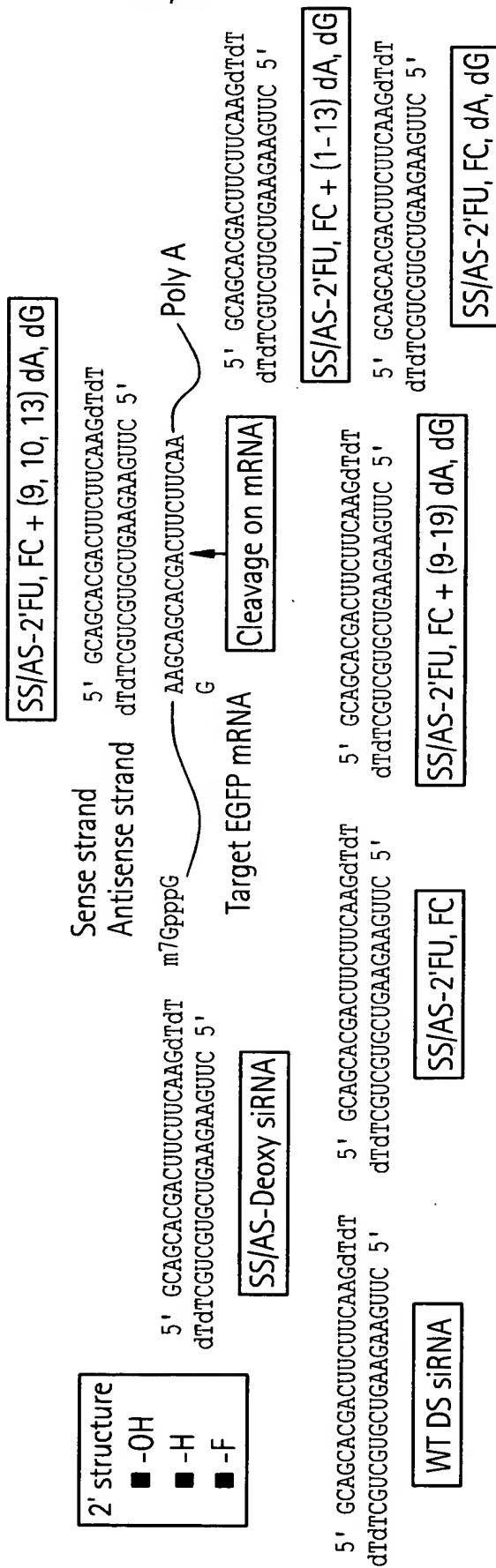
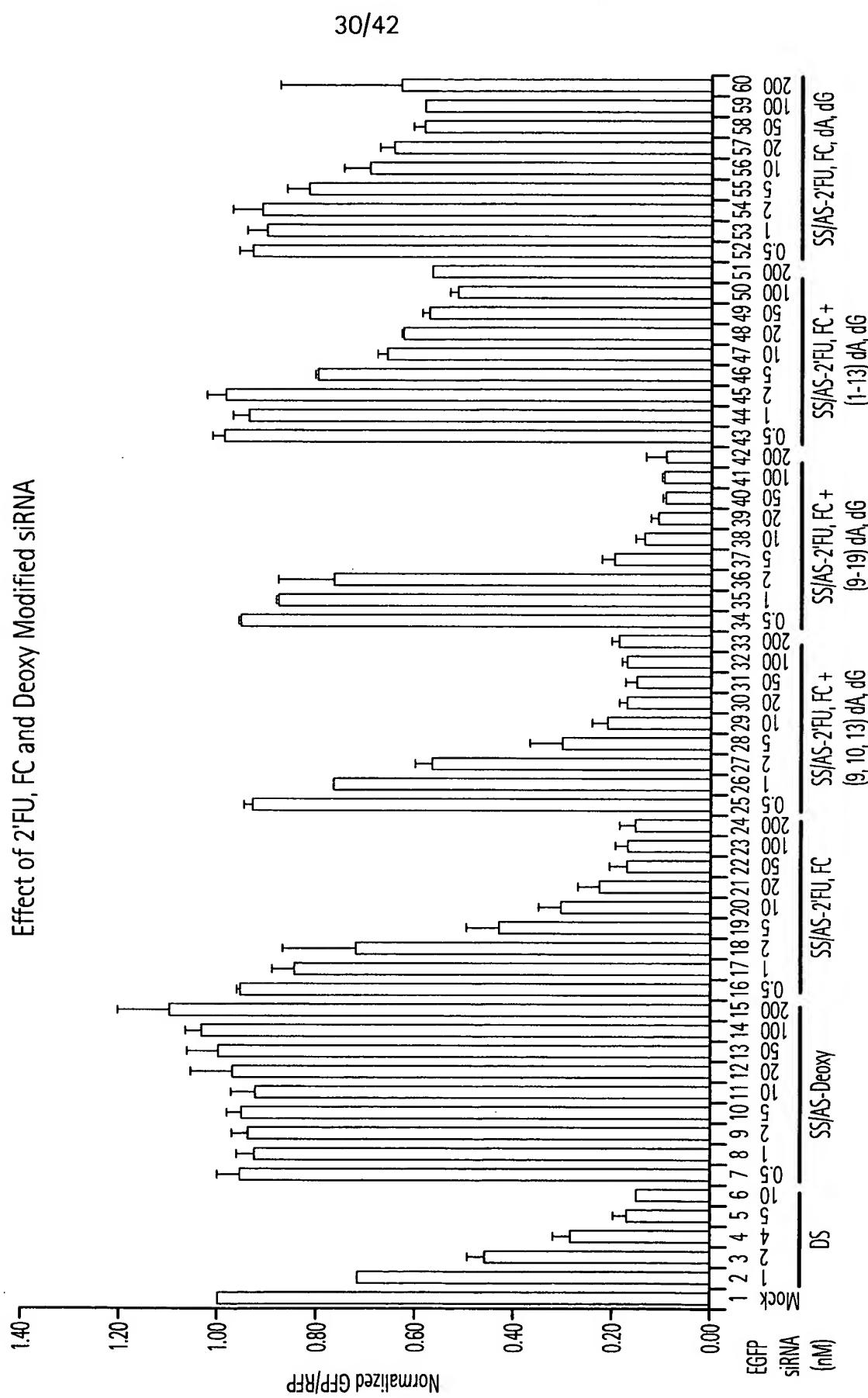


FIG. 13B
Effect of 2'FU, FC and Deoxy Modified siRNA



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FIG. 13C

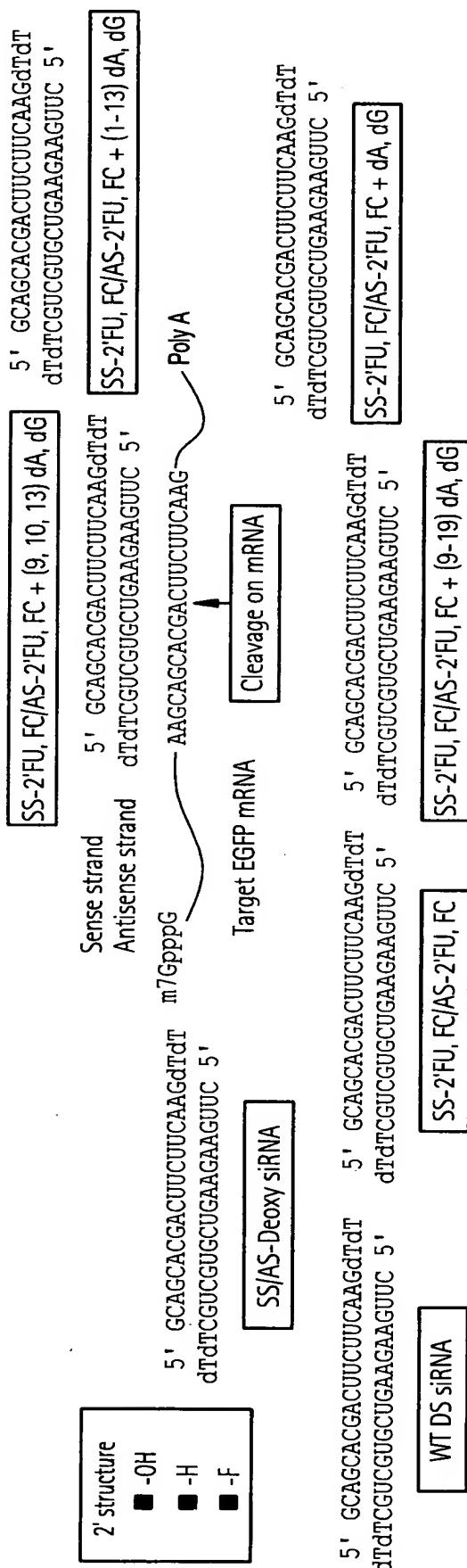
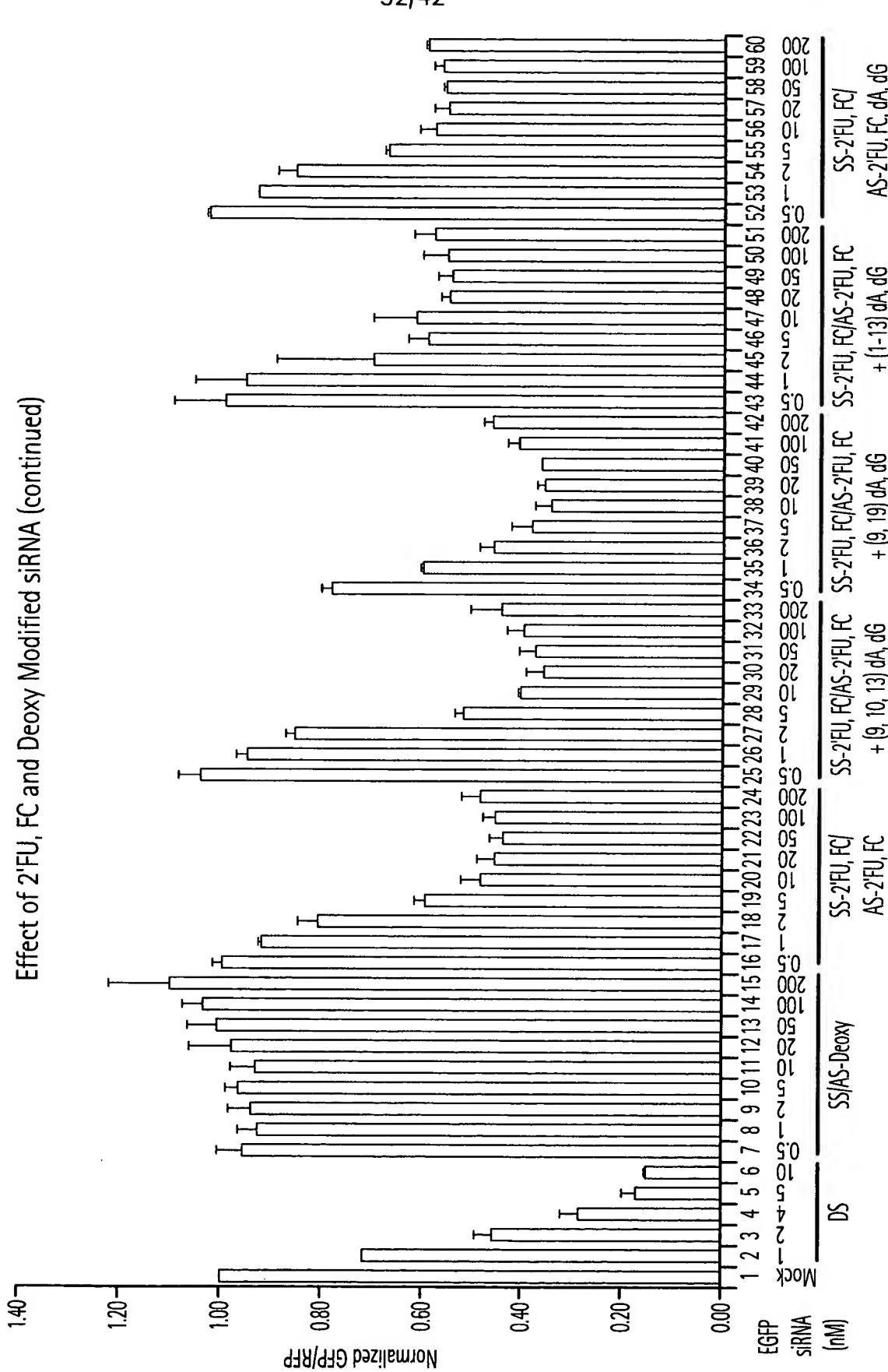


FIG. 13D

Effect of 2'FU, FC and Deoxy Modified siRNA (continued)



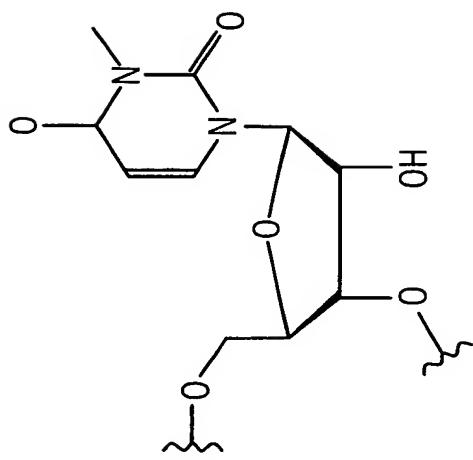


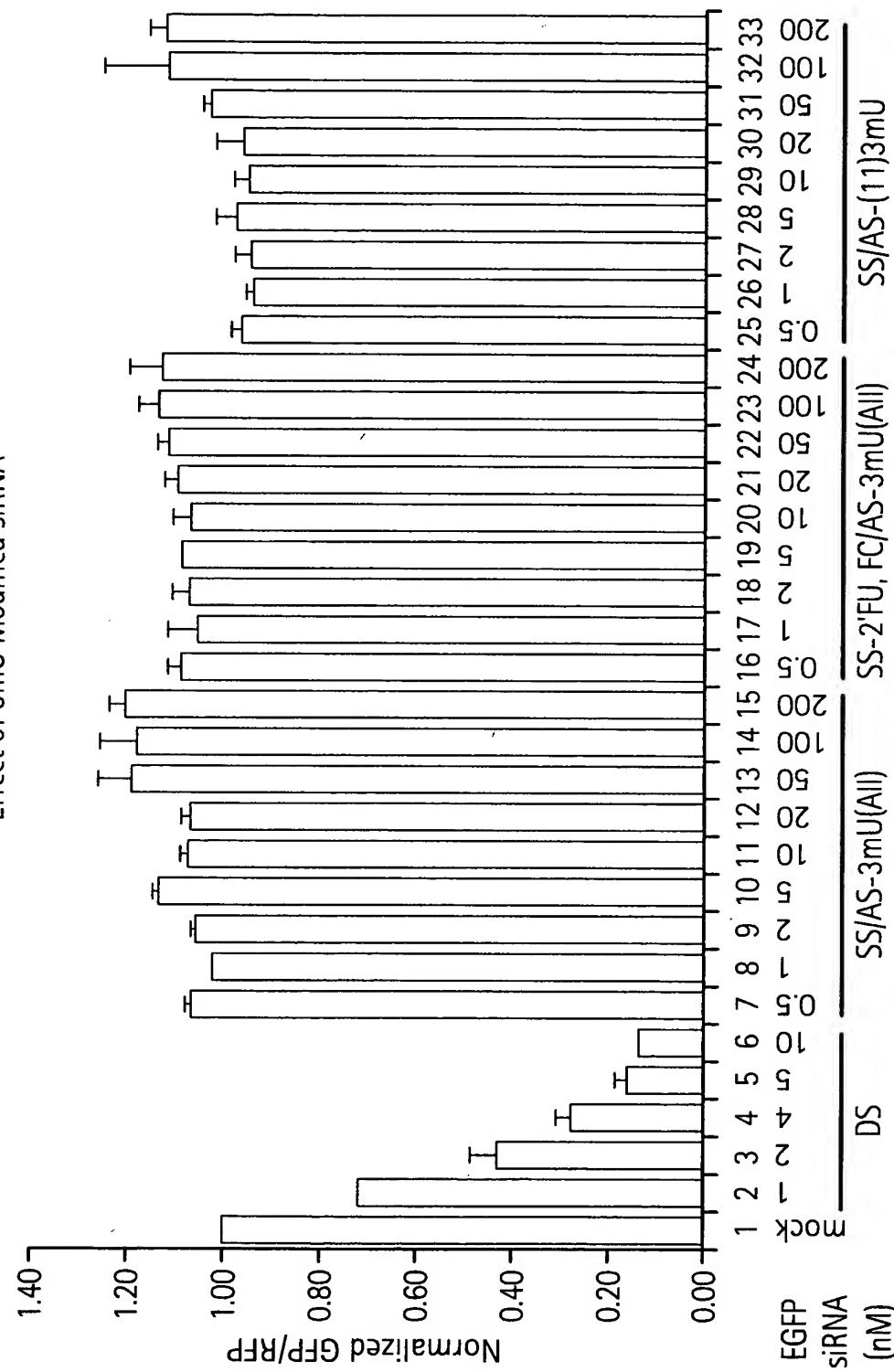
FIG. 14A



FIG. 14B

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FIG. 14C
Effect of 3mU Modified siRNA



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FIG. 15A

GCAGGCACGACUUUCUCAAGdTdT
dTdTCGUCGUGCUGAAGAAGUUC

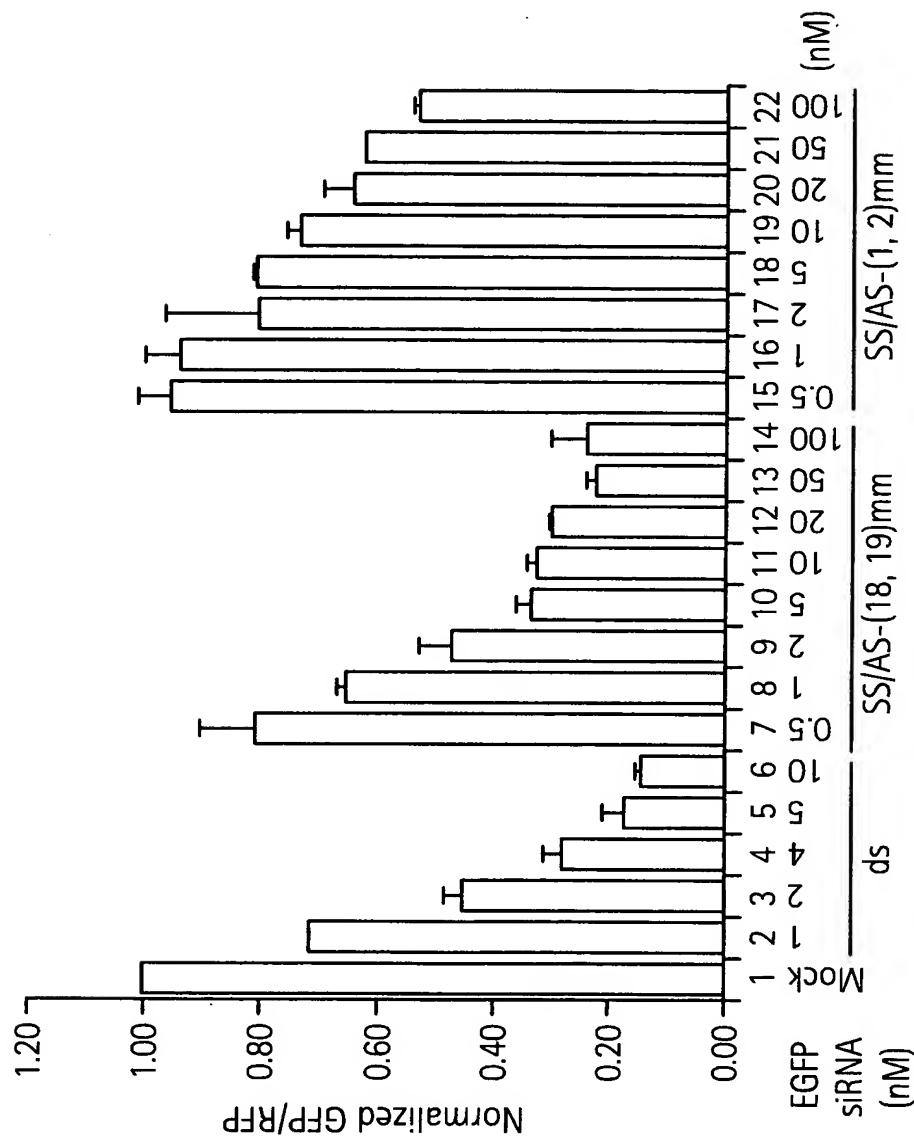
FIG. 15B

GCAGGCACGACUUUCUCAAGdTdT
dTdTCGUCGUGCUGAAGAAGUUC
ds
SS/AS-(18, 19)mm

GCAGGCACGACUUUCUCAAGdTdT
dTdTCGUCGUGCUGAAGAAGUUC
SS/AS-(1, 2)mm

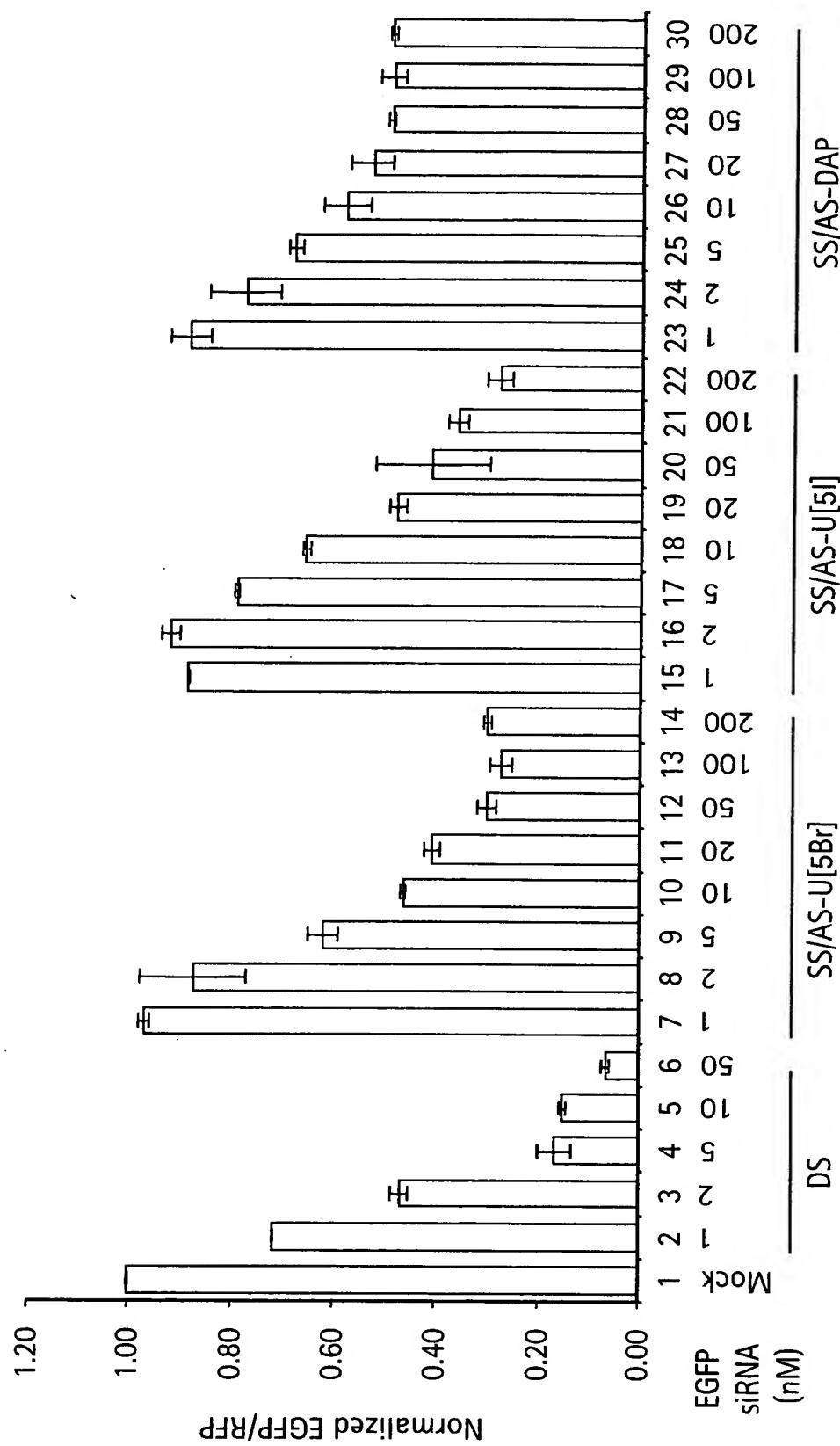
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FIG. 15C



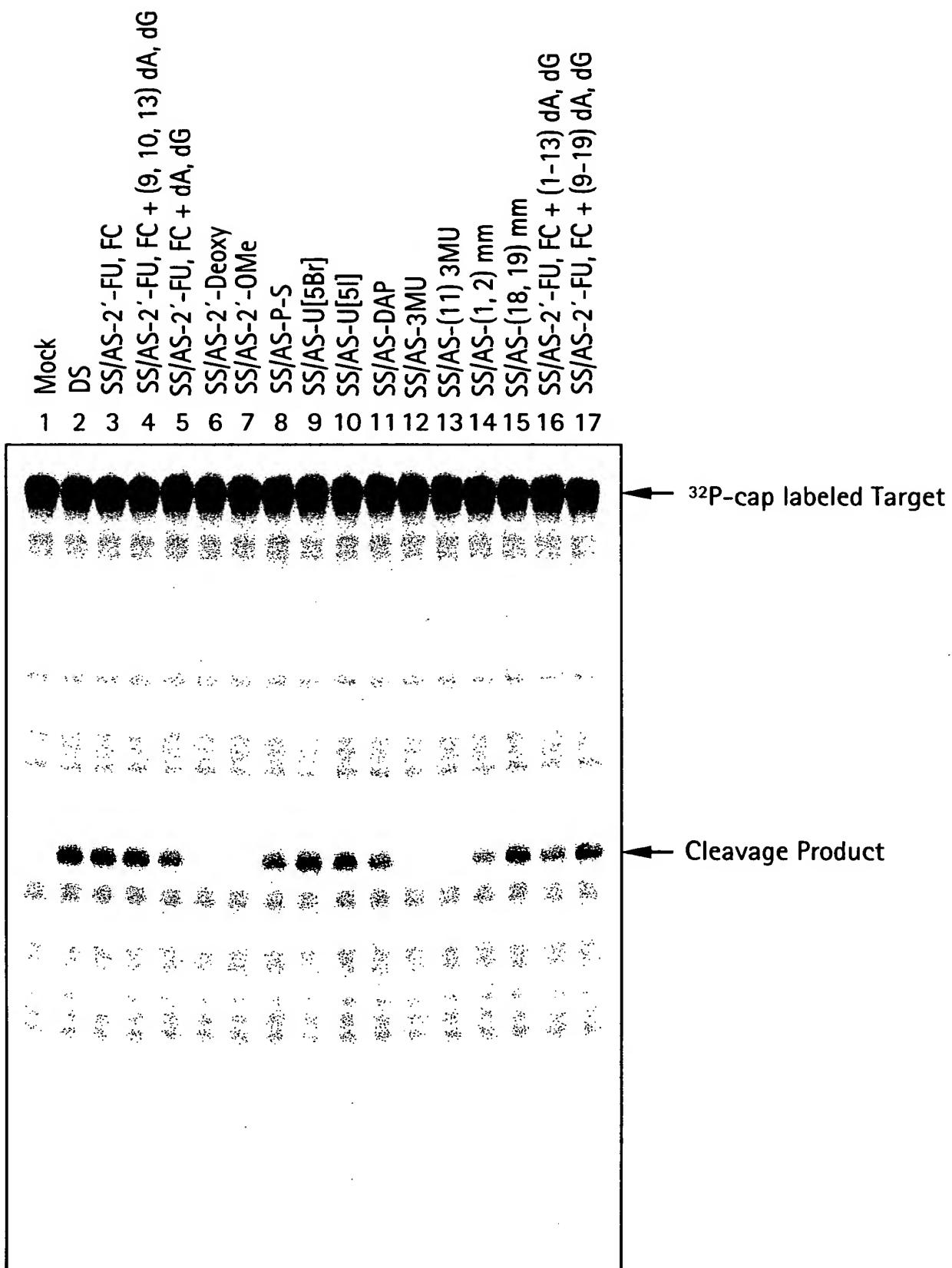
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FIG. 16



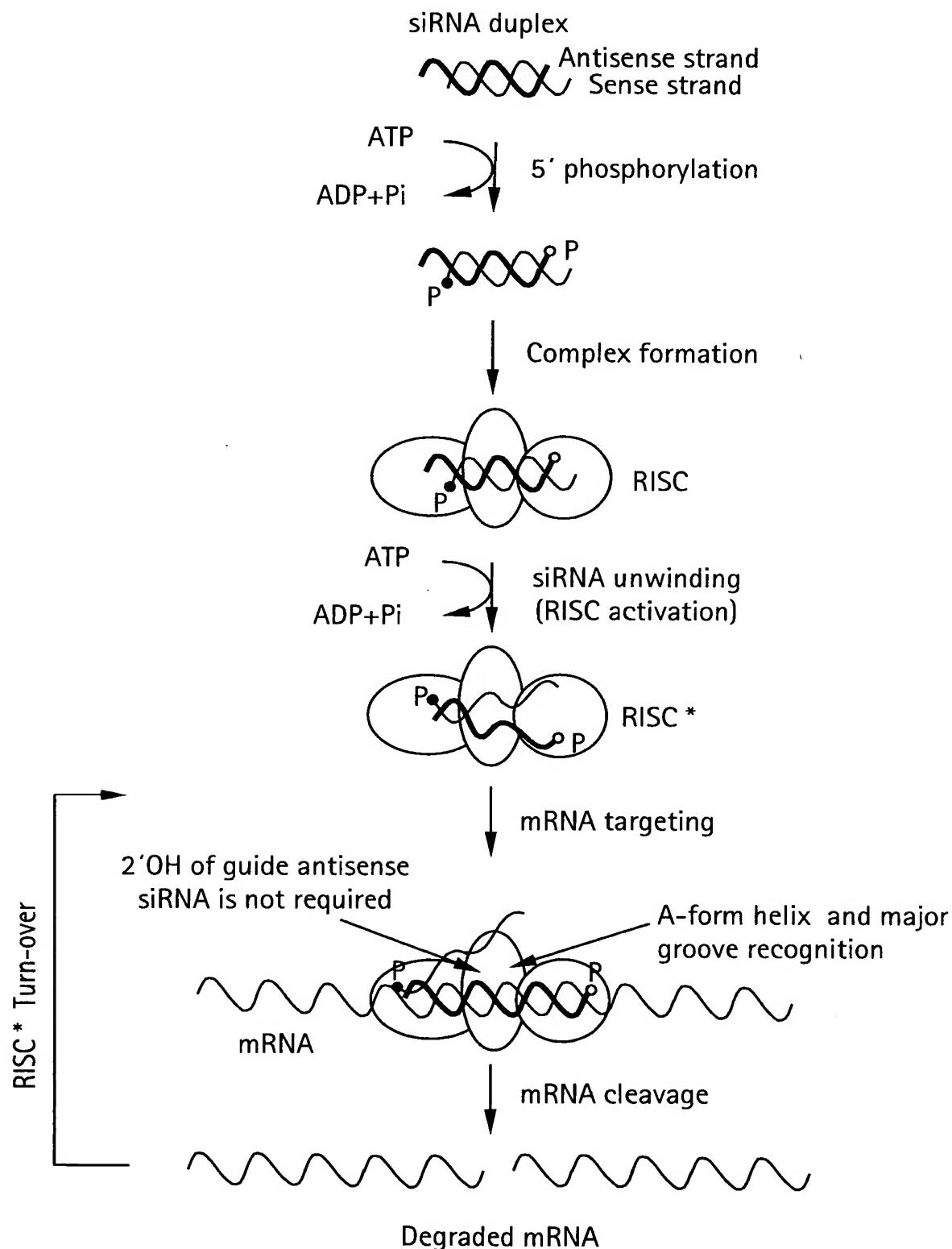
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FIG. 17



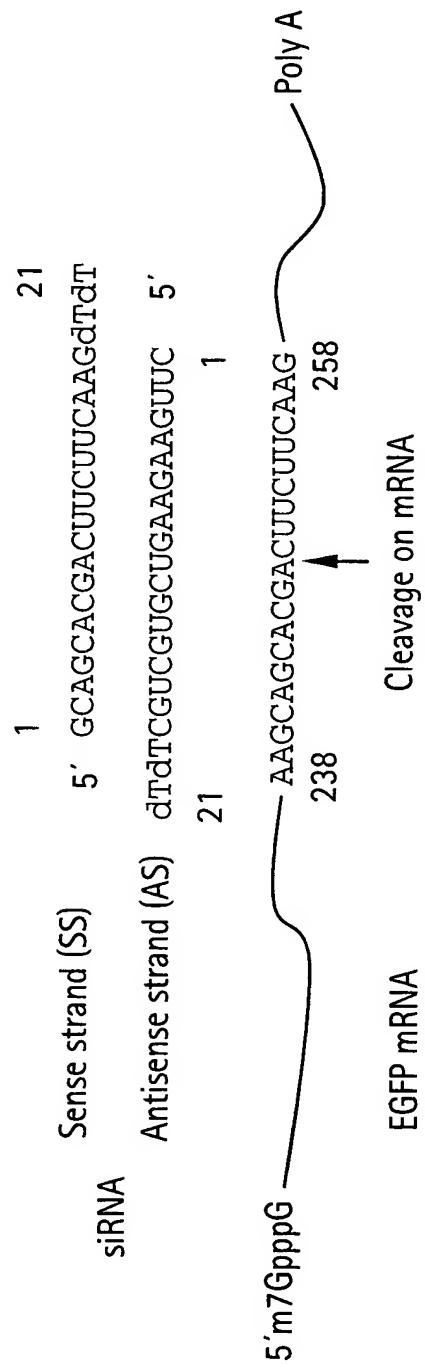
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FIG. 18



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FIG. 19A



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FIG. 19B

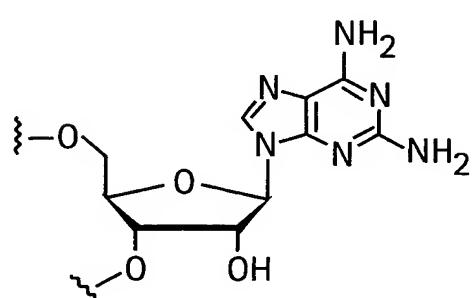
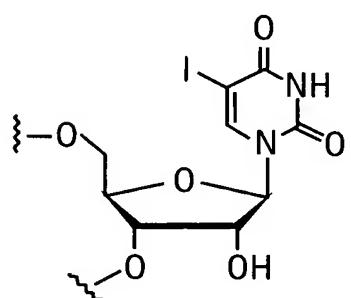
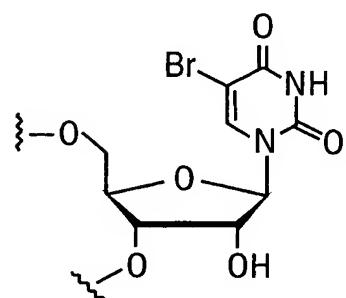
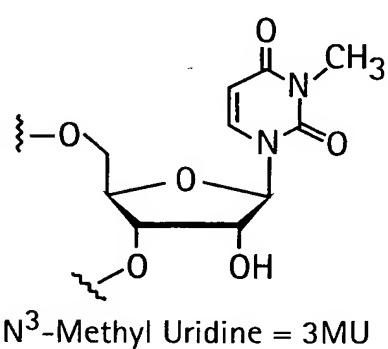
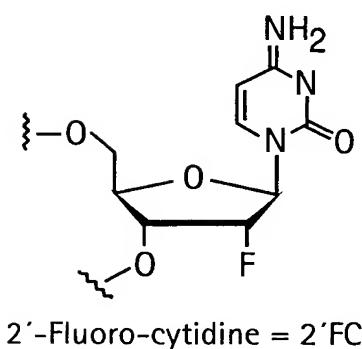
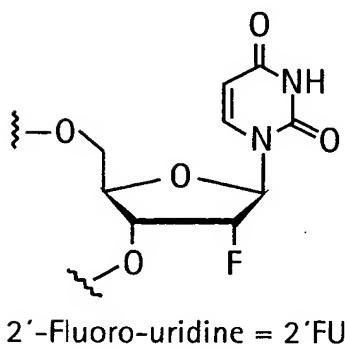
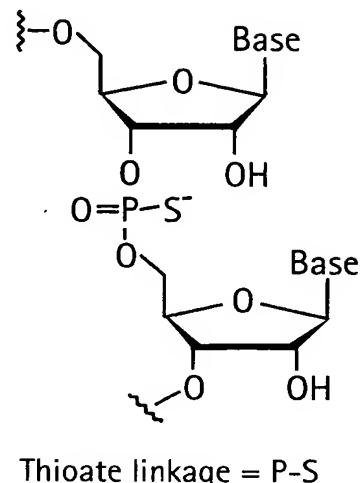
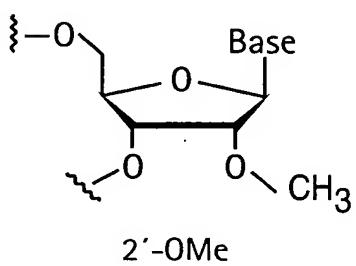
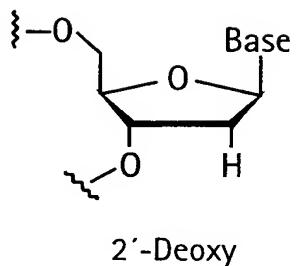


FIG. 20

